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Infinite Series

Installation Instructions

Model Number: MQRB5143
Stock Numbers: MQRB5143N, MQRB5143NE, MQRB5143LP, MQRB5143LPE

Certified to: ANSI Z21.50-2007, ANSI Z21.50a-2008
CSA 2.22-2007, CSA 2.22a-2008

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

"Zero Clearance" Direct Vent Gas Fireplace

Read this complete manual before beginning installation.

These instructions must be kept with the unit for future reference.

For Your Safety

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Warning: Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Refer to this manual. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

What To Do If You Smell Gas

Do not try to light any appliance.
Extinguish any open flame.
Do not touch any electrical switch.
Do not use any phone in your building.
Immediately call your gas supplier from a neighbour's phone.
If you cannot reach your gas supplier, call the fire department.

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

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Pre-Installation Questions and Answers

Why does my fireplace or stove give off odour?

It is normal for your fireplace to give off some odour. This is due to the curing of paint, adhesives, silicones and any undetected oil from the manufacturing process as well as the finishing materials used with the installation (e.g. marble, tile and the adhesives used to adhere these products to the walls can react with heat and cause odours).

It is recommended that you burn your gas fireplace or stove for a minimum of four hours at a time with the fan off after the curing of the paint has been completed. These odours can last upward to 40 hours of burn time. Keep burning at a minimum of four hours per use until odours dissipate.

About the Curing of Paint

Your stove or fireplace has been painted with the highest quality silicone stove paint .This paint dries quickly (15-20 minutes) when first applied at the factory. However, due to the high temperature silicone components, the paint will cure when heat is applied to the appliance as it is first used.

The following information **applies to the curing process** to get the paint fully hard and durable:

Fire the appliance four successive times for 10 minutes each firing and a 5 minute cool down between each. Be aware during log and firebox paint curing that a white deposit may be developing on the inside of the glass doors. It is important to remove this white deposit from the glass doors with an appropriate cleaner (such as Windex or a commercial fireplace glass cleaner) to prevent build-up.

- Babies, small children, pregnant women, and pets should leave the area during the cure phase.
- Ventilate well, open doors and windows.
- Do not touch during curing.

Noise Coming from the Fireplace?

- Noise caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of your fireplace.

Mobile Home/Manufactured Housing Installation

This Direct Vent System Appliance must be installed in accordance with the manufacturer's installation instructions and the Manufactured Home Construction and Safety Standard Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, and with CAN/CSA Z240 MH Mobile Home Standard in Canada.

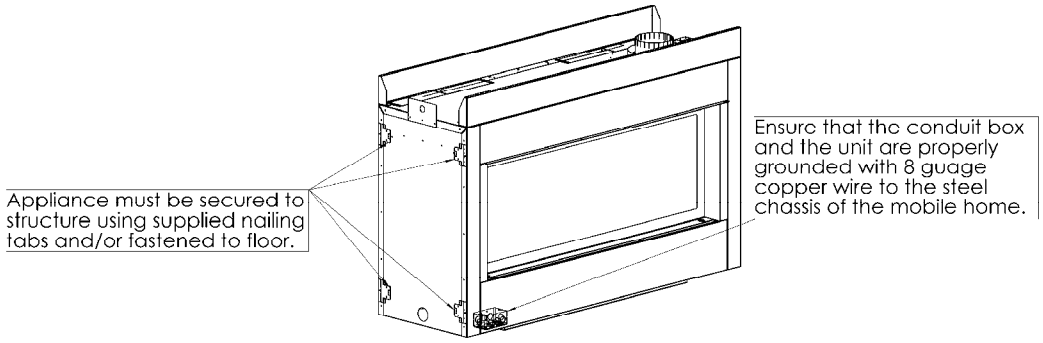

Appliance must be secured to structure using supplied nailing tabs and/or fastened to floor.
Ensure that the conduit box and the unit are properly grounded with 8 guage copper wire to the steel chassis of the mobile home.

Figure 1 - Mobile Home Installation.

THE MQRB5143N AND MQRB5143LP MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES AFTER FIRST SALE IN THE USA. IN CANADA THE MQRB5143N AND MQRB5143LP MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES.

Please follow the current ANSI/NFPA 70 National Electrical Code in the USA and CAN/CSA C22.1 Canadian National Electrical Code in Canada.

An appliance must be grounded to the steel chassis of the home with 8ga copper wire using a serrated or star washer to penetrate paint or protective coating to insure grounding.

Use carriage bolt at the attachment point (see diagram above) to secure the appliance to the floor.

Warning: Do not compromise the structural integrity of the manufactured home wall floor or ceiling during installation of appliance or venting.

For required venting components see venting installation in appropriate section of this manual.

Certified for installation in a bedroom or bedsitting room. In Canada must be installed with listed millivolt thermostat. In USA see local codes.

Installation and Operation

Installation Regulations

This gas appliance must be installed by a qualified installer in accordance with local building codes, or in the absence of local codes, with the current CAN/CGA-B149.1 or .2 Installation Code (in Canada) or the current National Fuel Gas Code Z223.1 when installed in the United States.

This appliance, when installed, must be electrically connected and grounded in accordance with local codes, or in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code or with the national Electrical Code; ANSI/NFPA 70-1987 when installed in the United States.

Vertical Venting in Cold Climates

In cold climate conditions where temperatures go below -10 degrees Celsius or 14 degrees Fahrenheit, we recommend that the chase be insulated and where the vent pipe enters into the attic space that the pipe be wrapped with an insulated Mylar sleeve. This will increase the temperature of the vent and help the appliance to vent properly in cold weather conditions.

It is also important in vertical vented direct vent appliances that the appliance be operated daily during the winter months as this will help stop the termination from freezing up. We recommend using a thermostat set at room temperature to allow the unit to cycle.

For Safe Installation and Operation of Your Gas Fireplace Please Note The Following:

1. This appliance gives off high temperatures and should be located out of heavy traffic areas and away from furniture and draperies.
2. Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.
3. Children should be carefully supervised when they are in the same room as your fireplace appliance.

NOTE: It is recommended that a Carbon Monoxide (CO) detector be installed in or near bedrooms and on all levels of your home. Place a detector about 15ft [4.5m] outside the room that houses your gas appliance.

Warning: When purging the gas line, the glass front must be removed.

4. Never use your gas fireplace as a cooking device.
5. The Burner/Log Assembly has been engineered and permanently adjusted for proper flame control.

Do not alter the gas orifice.

6. Under no circumstances should this appliance be modified. Any parts that have to be removed for servicing should be replaced prior to operating this appliance.
7. Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.
8. Control compartments, burners and air passages in this appliance should be kept clean and free of dust and lint. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.
9. The venting system (chimney) of this appliance should be inspected at least once a year and if needed, your venting system should be cleaned.
10. Clothing or other flammable material should not be placed on or near the appliance. This appliance should not be used as a drying rack for clothing nor should Christmas stockings or decorations be hung from it.
11. Under no circumstances should any solid fuels (wood, paper) be used in this appliance.
12. For safe operation, glass doors must be closed.

13. Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.
14. WARNING: Do not operate appliance with the glass front removed, cracked or broken. Replacement of glass should be done by a licensed or qualified service person.
15. Do not operate appliance unless completely installed as per installation instructions.
16. In the Commonwealth of Massachusetts a CO detector must be installed in the same room as the appliance.
17. This gas appliance may be used only for supplemental heat and/or decorative purposes and under no circumstances shall they provide a primary heat source.

NOTE: It is normal for your gas fireplace to give off some odor the first time it is burned. This is due to the curing of the paint and any undetected oil from the manufacturing process.

Please ensure that your room is well ventilated - open all windows. It is recommended that you burn your gas fireplace for at least four [4] hours the first time you use it without the fan on.

Make adequate accessibility clearances for servicing and proper operation.

This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

Be sure that the flow of combustion and ventilation air is not obstructed.

Installation Requirements for the Commonwealth of Massachusetts

In the Commonwealth of Massachusetts, the installer or service agent shall be a plumber or gas fitter licensed by the Commonwealth.

When installed in the Commonwealth of Massachusetts or where applicable codes; the unit shall be installed with a CO detector per the requirements listed below.

1. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment, where the bottom of the vent terminal and the air intake is installed below four feet above grade the following requirements must be satisfied:

A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720 (2005 Edition).

B. A carbon monoxide detector shall be located in the room that houses the appliance or equipment and shall:

- Be powered by the same electrical circuit as the appliance or equipment such that only one service switch services both the appliance and the carbon monoxide detector;
- Have battery back-up power;
- Meet ANSI./UL 2034 Standards and comply with NFPA 720 (2005 Edition); and
- Have been approved and listed by a Nationally Recognized Testing Laboratory as recognized under 527 CMR.

C. A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer's instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.

D. A metal or plastic identification plate shall be mounted at the exterior of the building, four feet directly above the location of vent terminal. The plate shall be of sufficient size to be easily read from a distance of eight feet away, and read "Gas Vent Directly Below".

2. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment where the bottom of the vent terminal and the air intake is installed above four feet above grade the following requirements must be satisfied:

A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720 (2005 Edition).

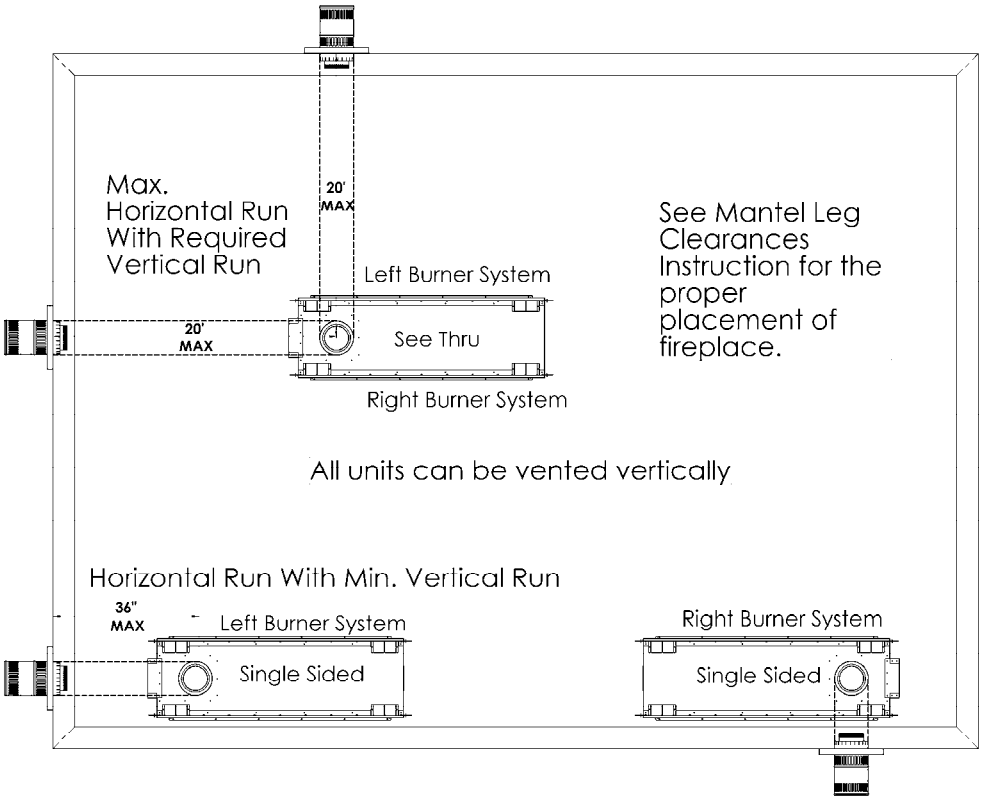
B. A carbon monoxide detector shall:

- Be located in the room that houses the appliance or equipment;
- Be either hard-wired or battery powered or both; and
- Shall comply with NFPA 720 (2005 Edition).

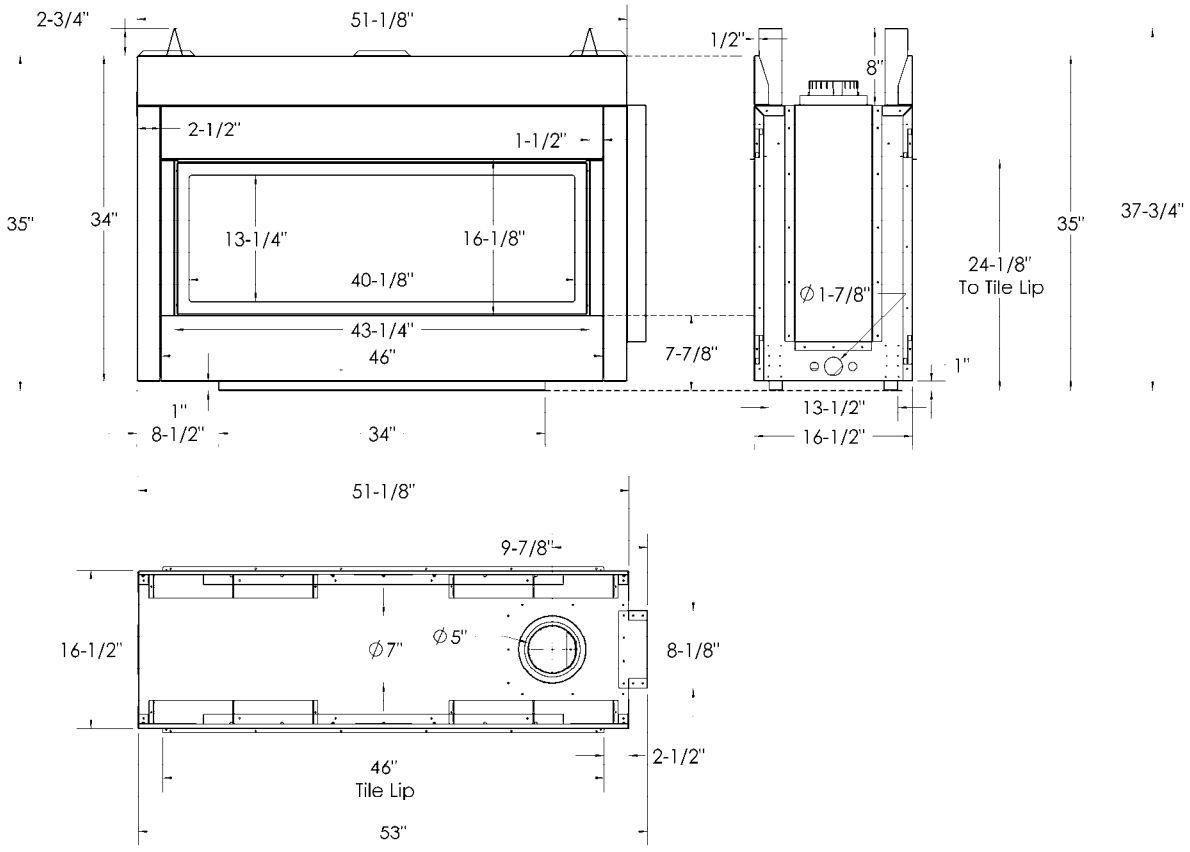
C. A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.

MQRB5143 Locating Your Appliance

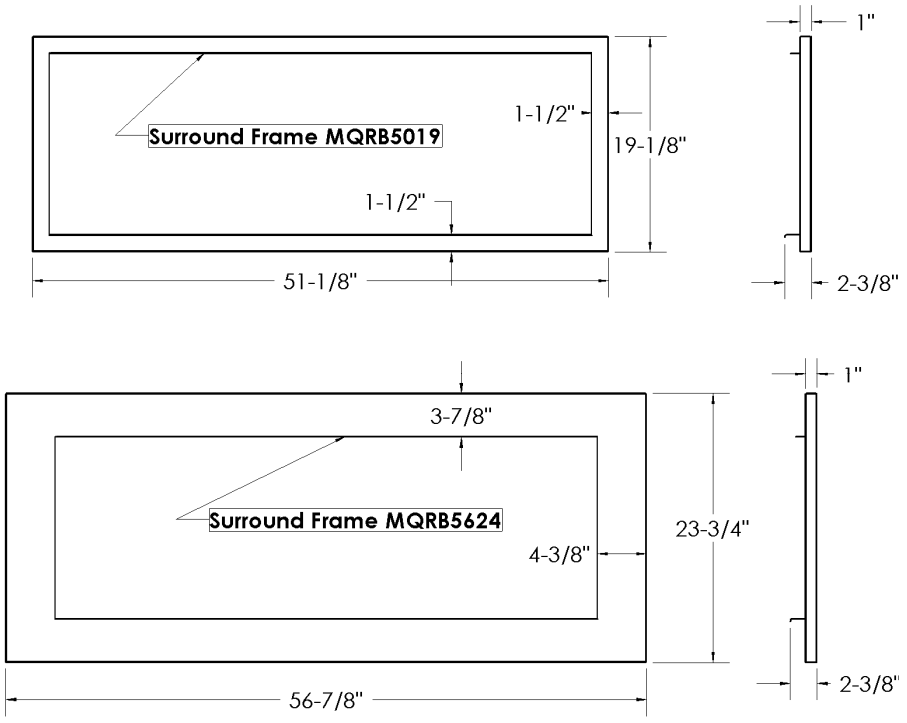
All units are Factory Set for a Left Hand Burner System. Right Hand Burner System Requires Valve to be relocated to right side of unit.



Fireplace Dimensions

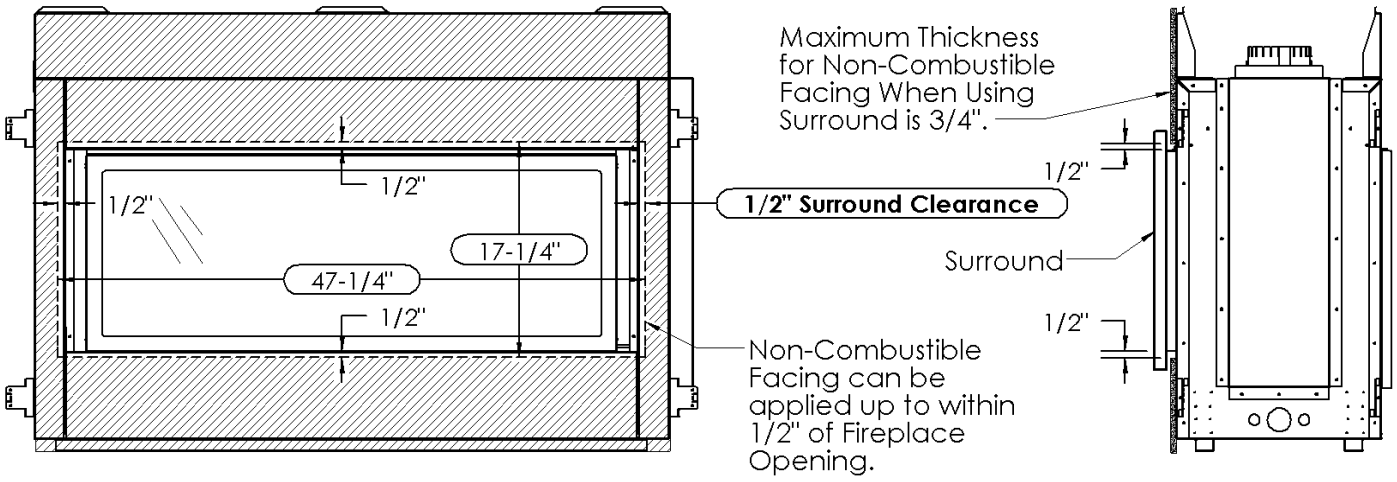


Surround Dimensions MQRB5143



- The Surround Frames are 1” thick, with a 3/4” space behind the frame.
- When using Surrounds, Maximum Thickness for Non-Combustible Facing Materials is 3/4”.
- The Fireplace may be covered up to within 1/2” of the Fireplace Opening with non-combustible materials.

Surround Clearances



MQRB5143 Framing Your Gas Fireplace

This section is intended for qualified installers only. Before beginning, make note of where the gas and electrical accesses are located on the unit. This will streamline the construction process. Furthermore, familiarize yourself with the venting and clearance requirements (see Venting section) for this appliance. Failure to comply with those requirements can seriously compromise the safety and operation of the fireplace.

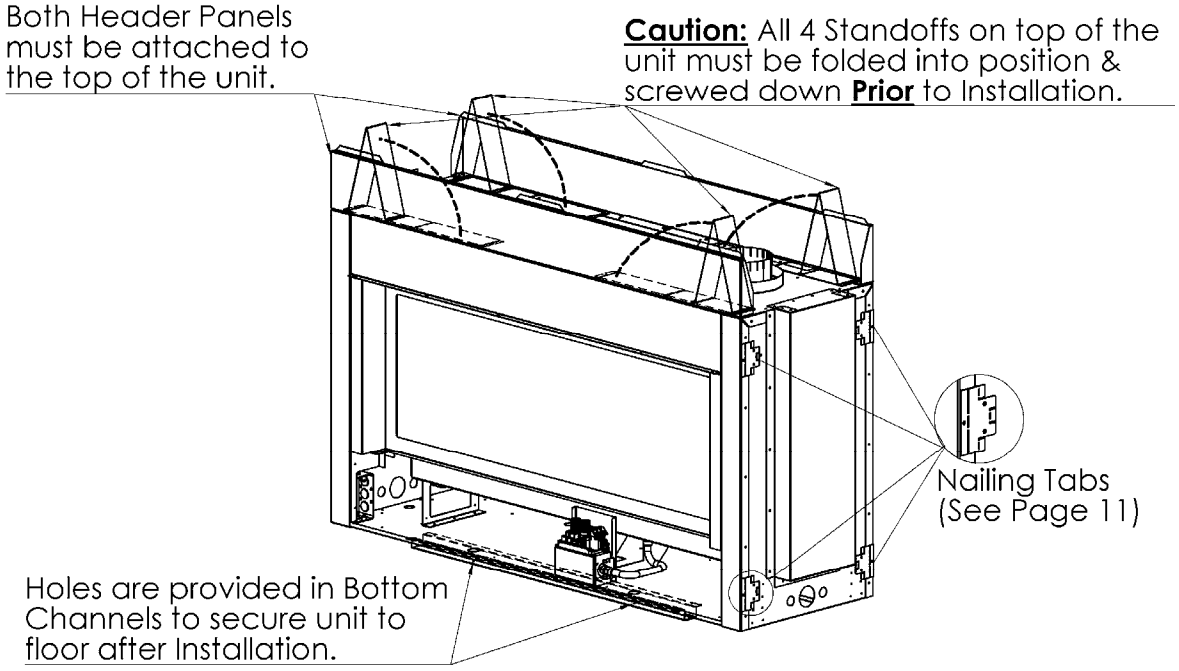
Specifications

1. Cold climate installation recommendation: When installing this fireplace against non insulated exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall & vapor barrier must be installed over insulation to prevent contact of insulation and unit.
2. Choose fireplace location and frame in accordance with the fireplace framing dimensions specified (see framing diagrams).
3. Drywall or other combustible material can extend up to the Drywall Stops located on the sides of the unit, and up to the bottom and top.
4. When installing horizontal with a 90 degree bend maintain a minimum of five inches [5"] above the bend with the Wall Thimble Shield [Z57WTS] in enclosures below seventy-two inches [72”].
5. A Hearth is not required for this unit.

Certified for installation in a bedroom or bedsitting room. In Canada must be installed with listed millivolt thermostat. In USA see local codes.

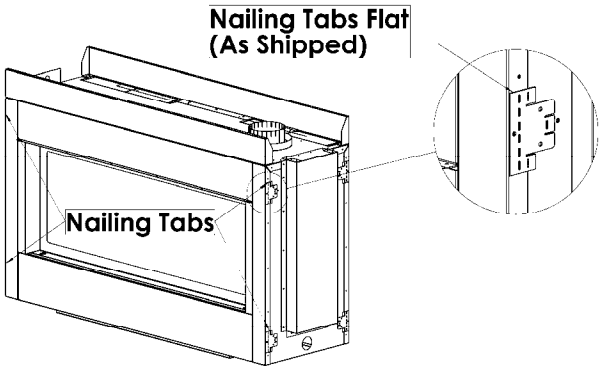
Stand-off Locations

Make note of where the stand-off locations are. These stand-offs are provided as indicators to illustrate the boundaries for framing. Therefore, no framing material is permitted to extend beyond these stand-offs.


Both Header Panels must be attached to the top of the unit.
Caution: All 4 Standoffs on top of the unit must be folded into position & screwed down Prior to Installation.
Nailing Tabs (See Page 11)
Holes are provided in Bottom Channels to secure unit to floor after Installation.

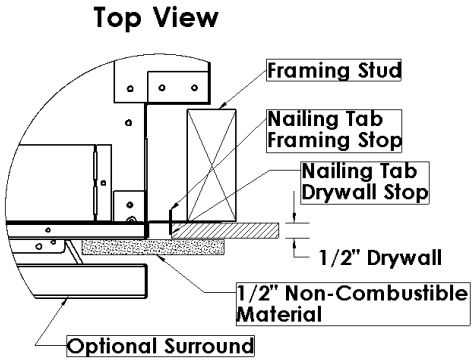
MQRB5143 Nailing Tab Guide

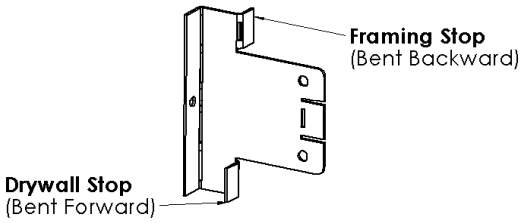
[Qty]2 Nailing Tabs are located on each corner of the fireplace.

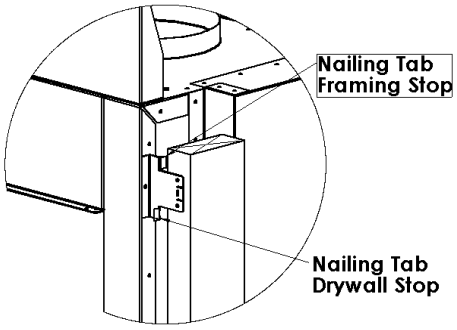


The Nailing Tabs on the MQRB5143 can be used in two ways:

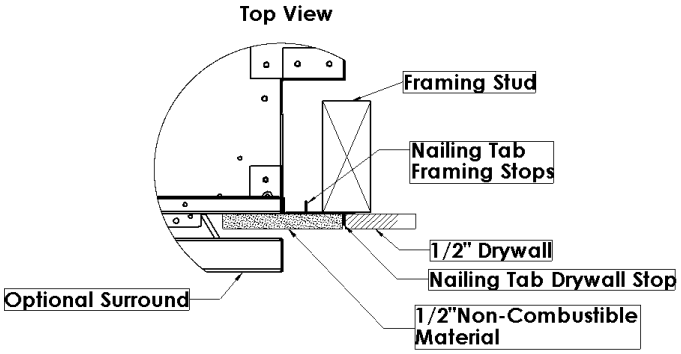
1/2" Drywall Flush with Face of Fireplace –Fireplace and Combustible Wall to be covered with Non-Combustible Materials (e.g. Tile around Fireplace).
Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

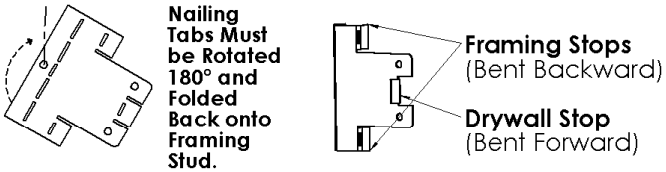


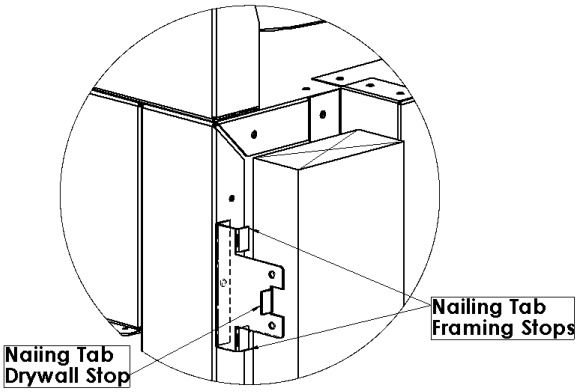




Framing Flush with Face of Fireplace -Fireplace to be covered with Non-Combustibles (e.g. Concrete Board) for **Flat Wall** appearance.
Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".







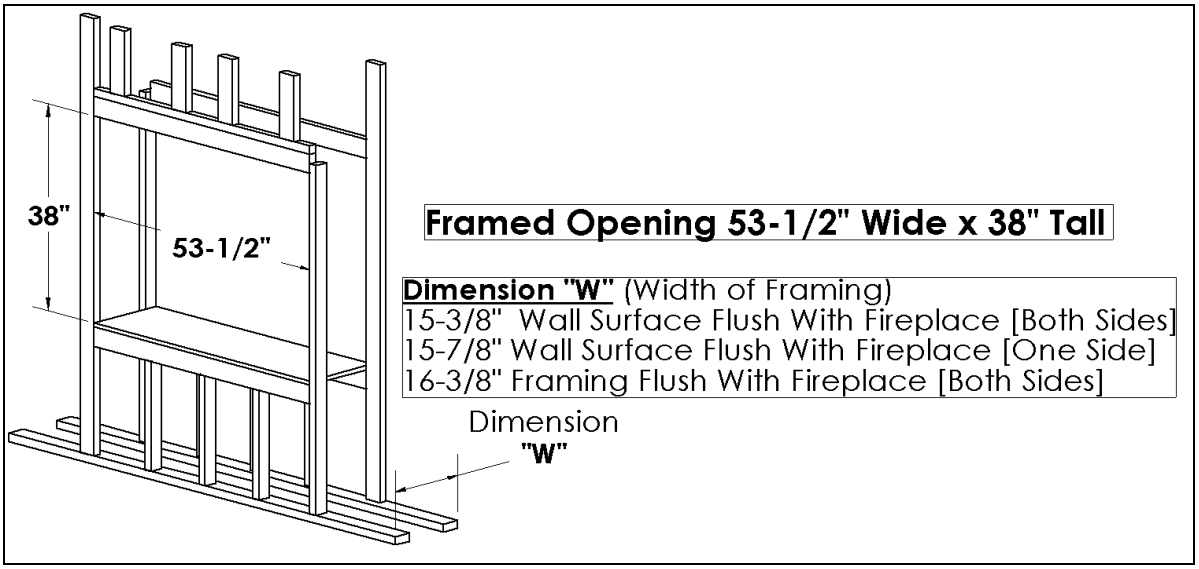
[Steel Stud Framing Shown.]

MQRB5143 -See Thru Framing

An **MQRB5143SK** Kit is required for a See Thru Installation.

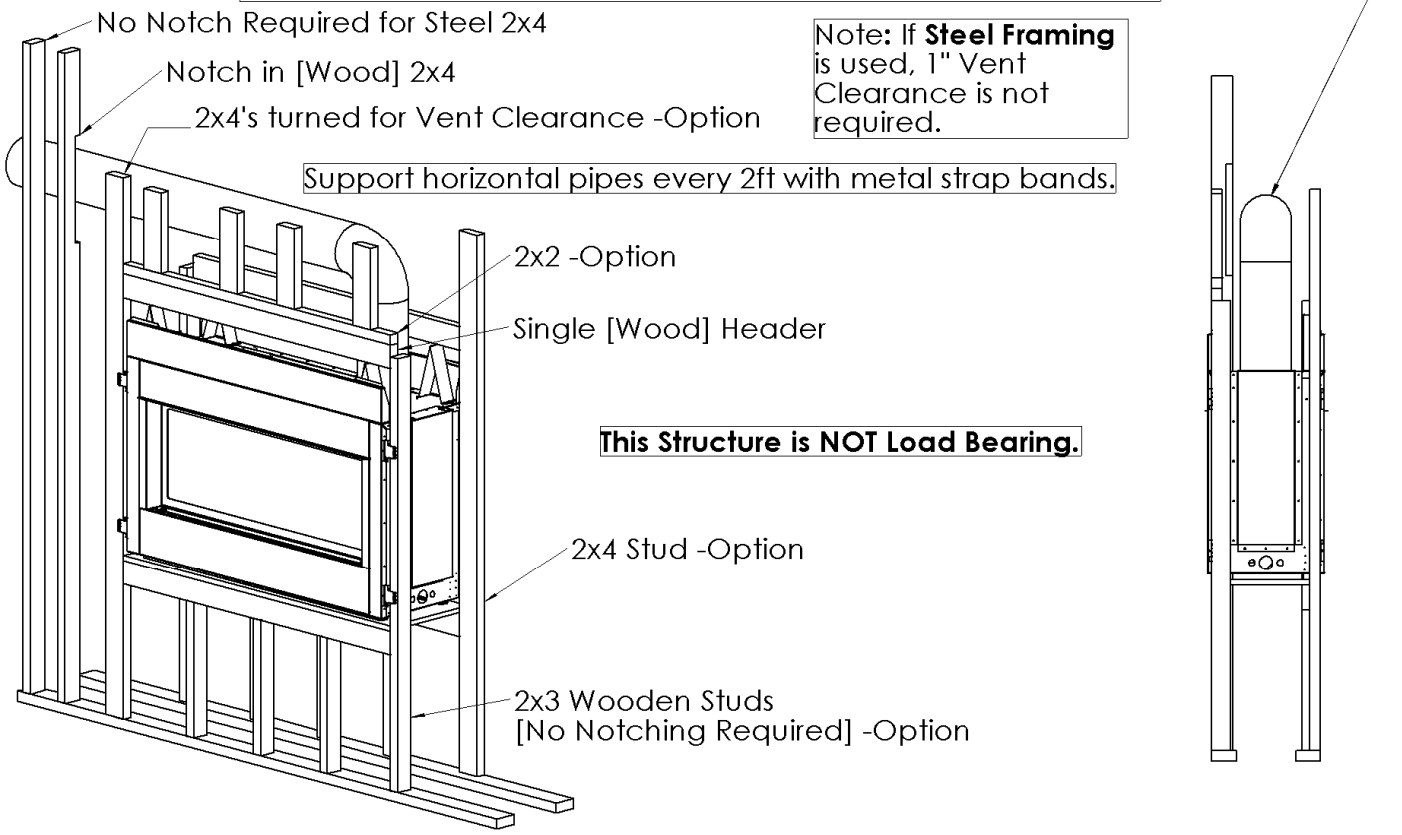
Before you begin Framing- Determine for both sides whether the **Wall Surface** will be flush with the face of the fireplace (Fireplace and wall to be covered with Non-Combustibles, such as tile), or the **Framing** will be flush with the face of the fireplace (Flat Wall appearance).

Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".


38"
53-1/2"
Framed Opening 53-1/2" Wide x 38" Tall
Dimension "W" (Width of Framing)
15-3/8" Wall Surface Flush With Fireplace [Both Sides]
15-7/8" Wall Surface Flush With Fireplace [One Side]
16-3/8" Framing Flush With Fireplace [Both Sides]
Dimension "W"

Fireplace Vent **Must** Maintain Min. 1" Clearance from Combustible [Wood] Framing.

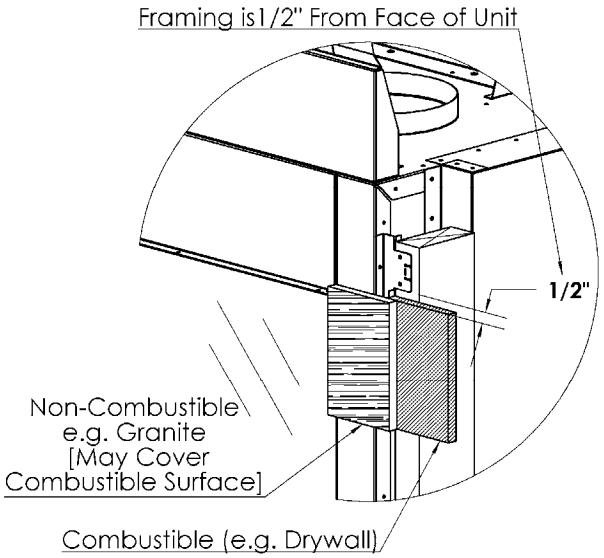
Many Framing Options are possible. A few Ideas are shown here.

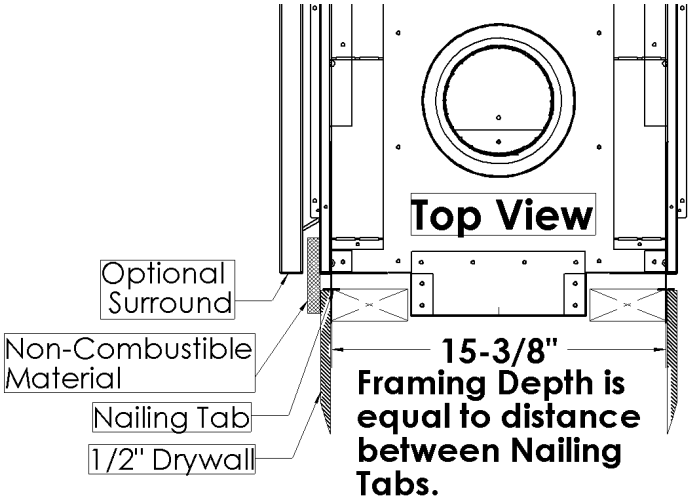

No Notch Required for Steel 2x4
Notch in [Wood] 2x4
2x4's turned for Vent Clearance -Option
Note: If Steel Framing is used, 1" Vent Clearance is not required.
Support horizontal pipes every 2ft with metal strap bands.
2x2 -Option
Single [Wood] Header
This Structure is NOT Load Bearing.
2x4 Stud -Option
2x3 Wooden Studs
[No Notching Required] -Option

Also Refer to **Clearance to Combustibles, Enclosure Heights**, and **Venting** Sections of this Manual.

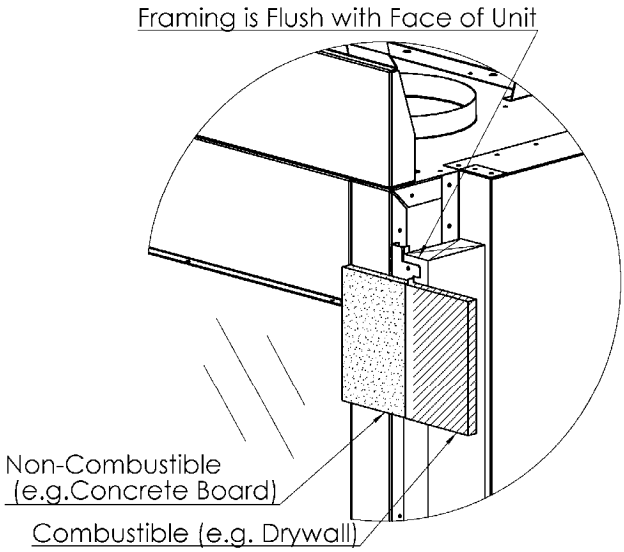
(Continued)

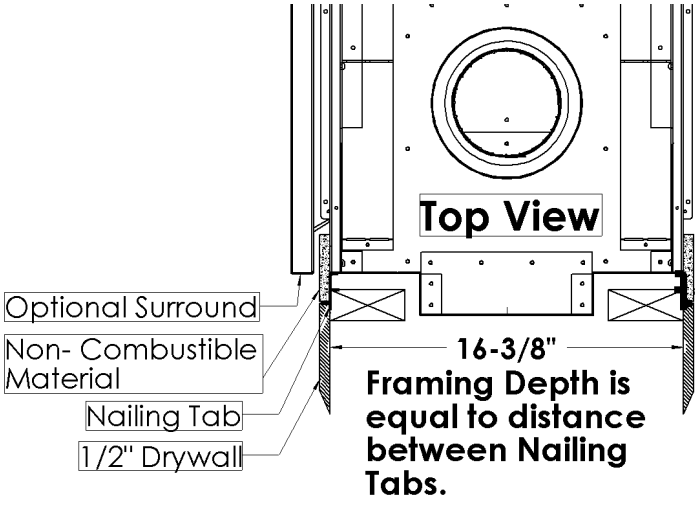
Wall Surface Flush With Face of Fireplace





Framing Flush With Face of Fireplace





Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

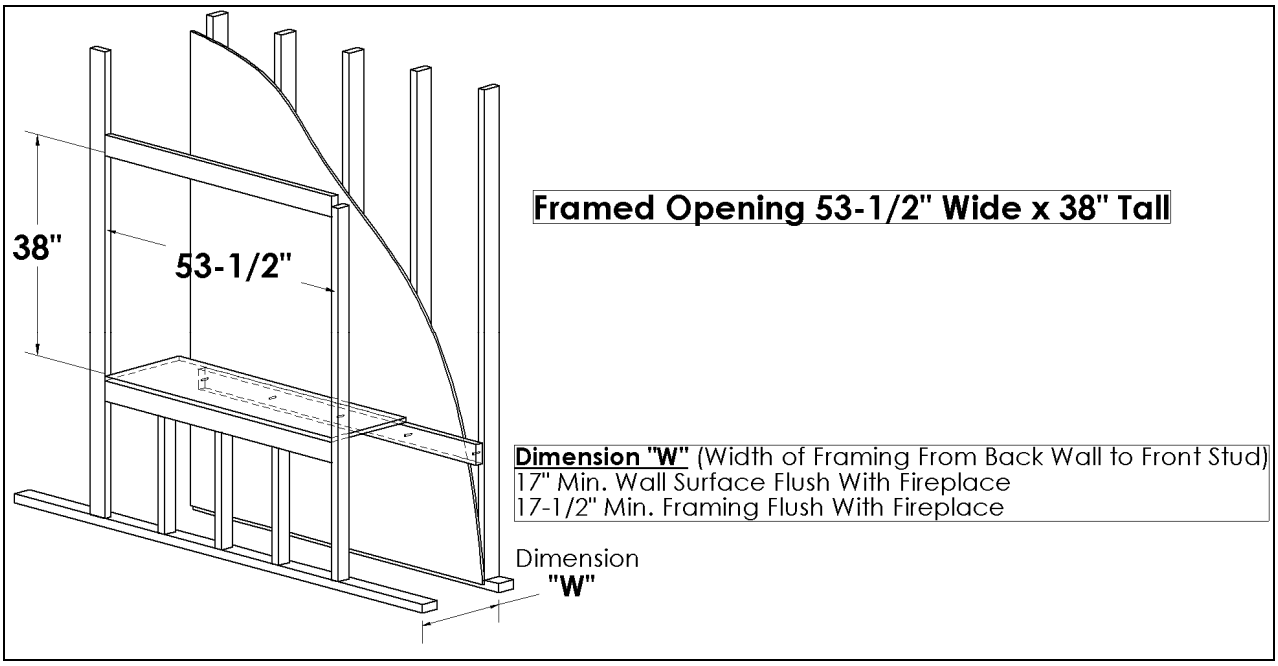
[Steel Stud Framing Shown.]

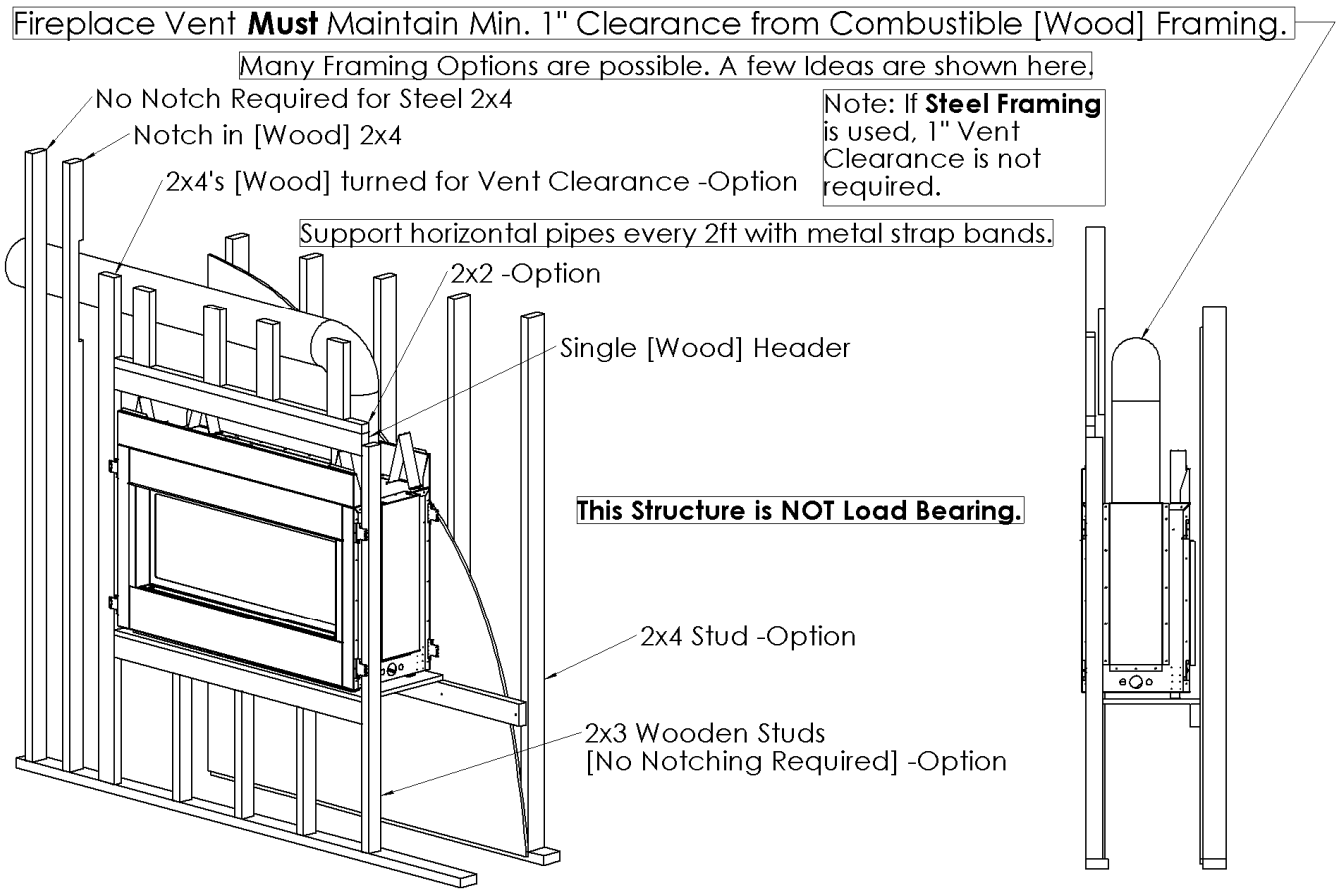
*See the "**Nailing Tab Guide**" and "**MQRB5143SK**" pages before placing unit into the framed opening.*

MQRB5143 Single Sided Framing

An **MQRB5143BK** Kit is required for a Single Sided Installation.

Before you begin Framing- Determine whether the **Wall Surface** will be flush with the face of the fireplace (Fireplace and wall to be covered with Non-Combustibles, such as tile), or the **Framing** will be flush with the face of the fireplace (Flat Wall appearance).

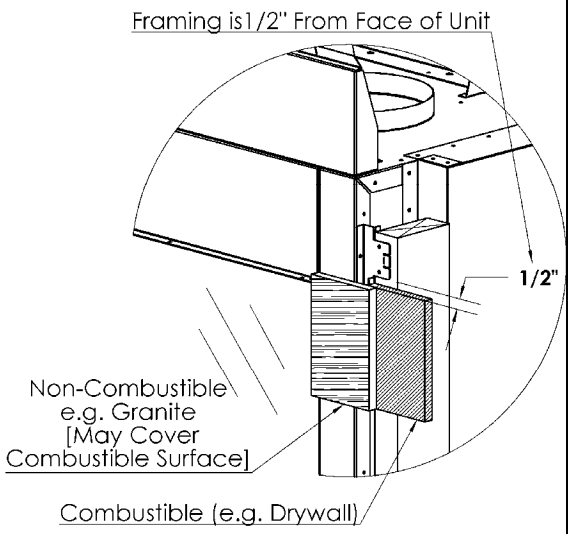

38"
53-1/2"
Framed Opening 53-1/2" Wide x 38" Tall
Dimension "W" (Width of Framing From Back Wall to Front Stud)
17" Min. Wall Surface Flush With Fireplace
17-1/2" Min. Framing Flush With Fireplace
Dimension
"W"

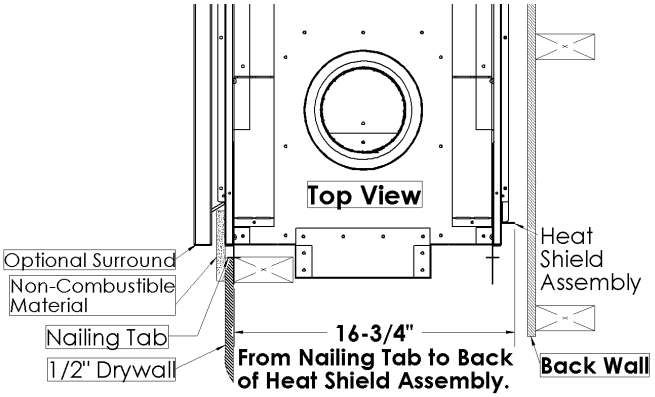

Fireplace Vent **Must** Maintain Min. 1" Clearance from Combustible [Wood] Framing.
Many Framing Options are possible. A few Ideas are shown here.
No Notch Required for Steel 2x4
Notch in [Wood] 2x4
2x4's [Wood] turned for Vent Clearance -Option
Note: If **Steel Framing** is used, 1" Vent Clearance is not required.
Support horizontal pipes every 2ft with metal strap bands.
2x2 -Option
Single [Wood] Header
This Structure is NOT Load Bearing.
2x4 Stud -Option
2x3 Wooden Studs
[No Notching Required] -Option

Also Refer to **Clearance to Combustibles, Enclosure Heights,** and **Venting** Sections of this Manual.

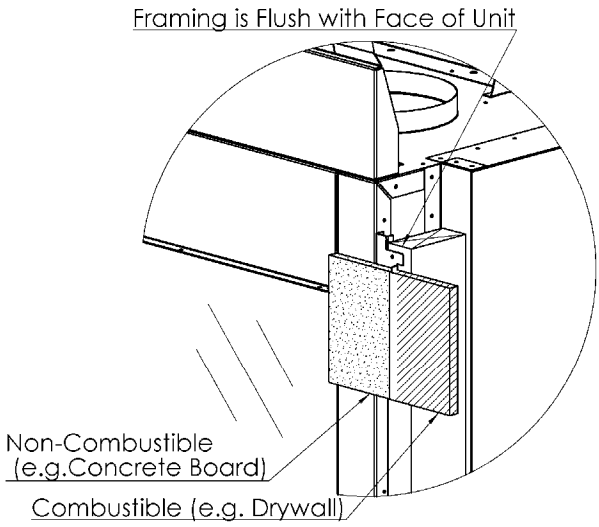
(Continued)

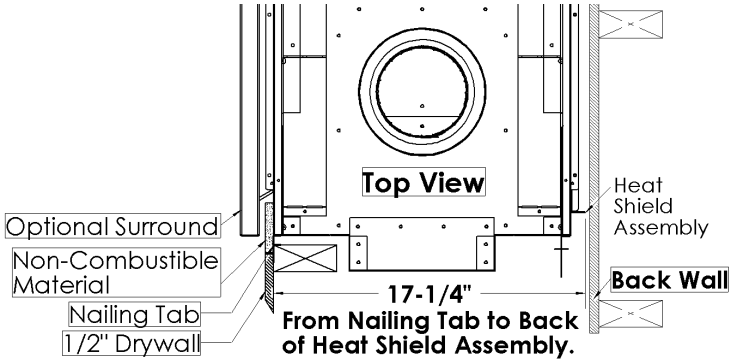
Wall Surface Flush With Face of Fireplace





Framing Flush With Face of Fireplace





Note: If using Optional Surround, Maximum Thickness for Non-Combustible Material is 3/4".

[Steel Stud Framing Shown.]

*See the "**Nailing Tab Guide**" and "**MQRB5143BK**" pages before placing unit into the framed opening.*

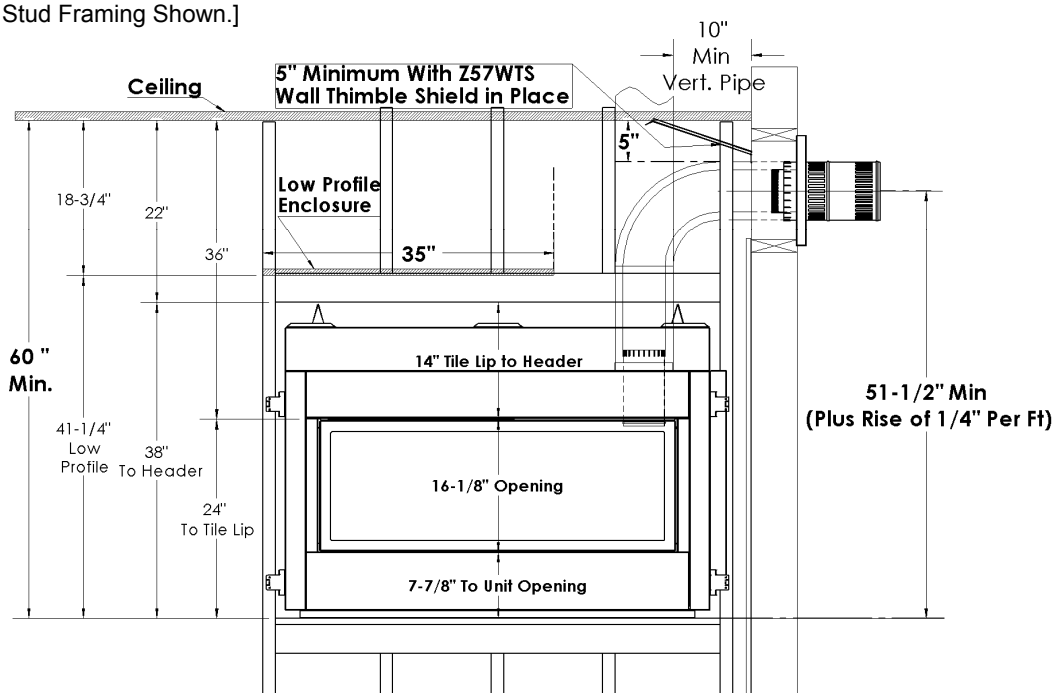
MQRB5143 Combustible Enclosure Heights

Cold Climate Recommendation

When installing this fireplace against an exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall must be installed over vapor barrier and insulation material to prevent direct contact with the appliance.

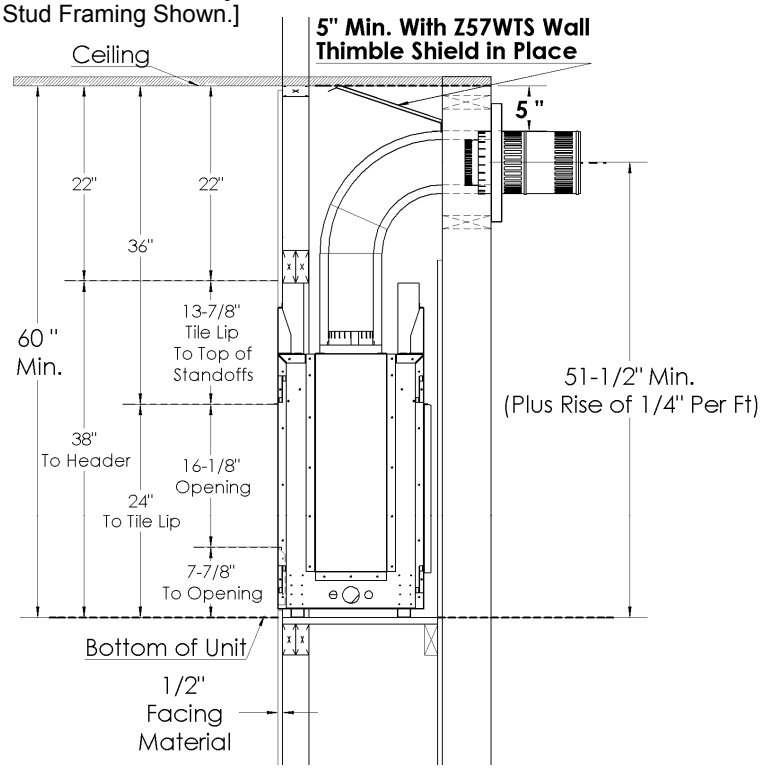
See Thru or Single Sided Installation

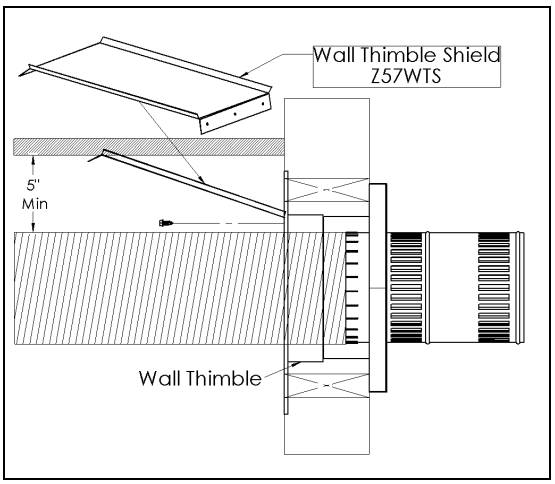
[Steel Stud Framing Shown.]



Single Side Installation Only

[Steel Stud Framing Shown.]





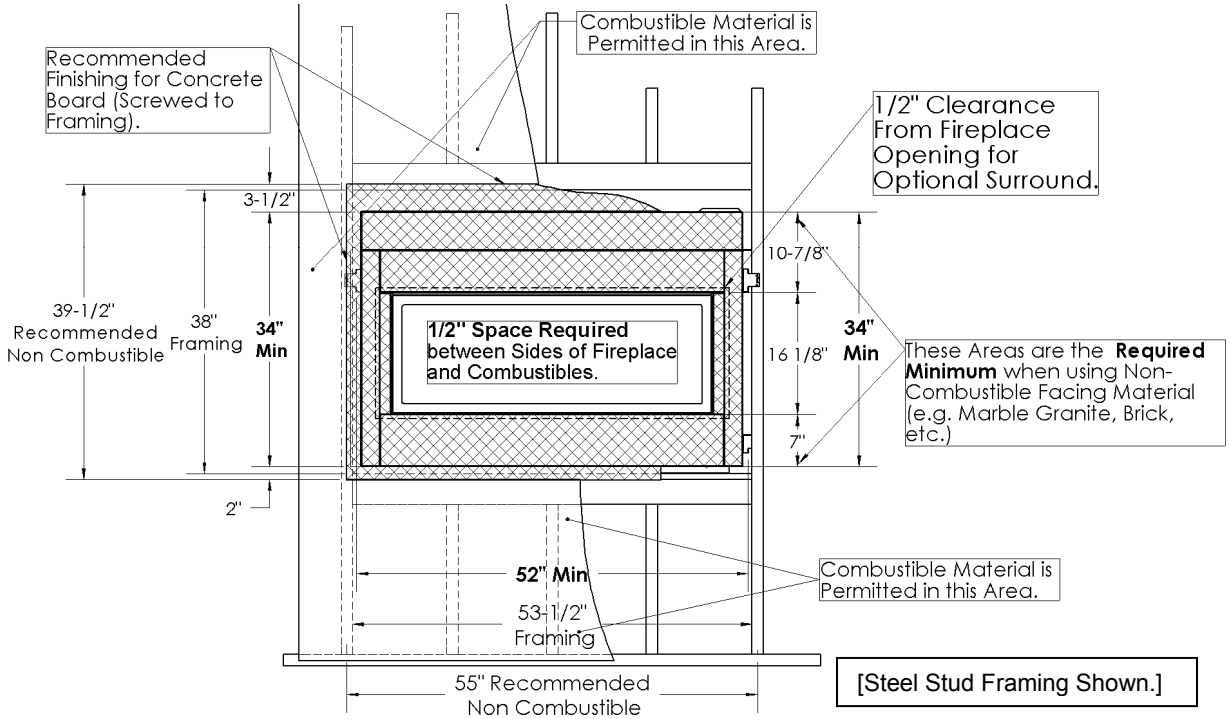
The Wall Thimble Shield Z57WTS is required in All Enclosures below 72" [Seventy-Two Inches].

Place Wall Thimble Shield Z57WTS against the Wall Thimble Immediately above the Vent. Install the Wall Thimble Shield using [3] DT Screws.

MQRB5143 Facing Material Requirements

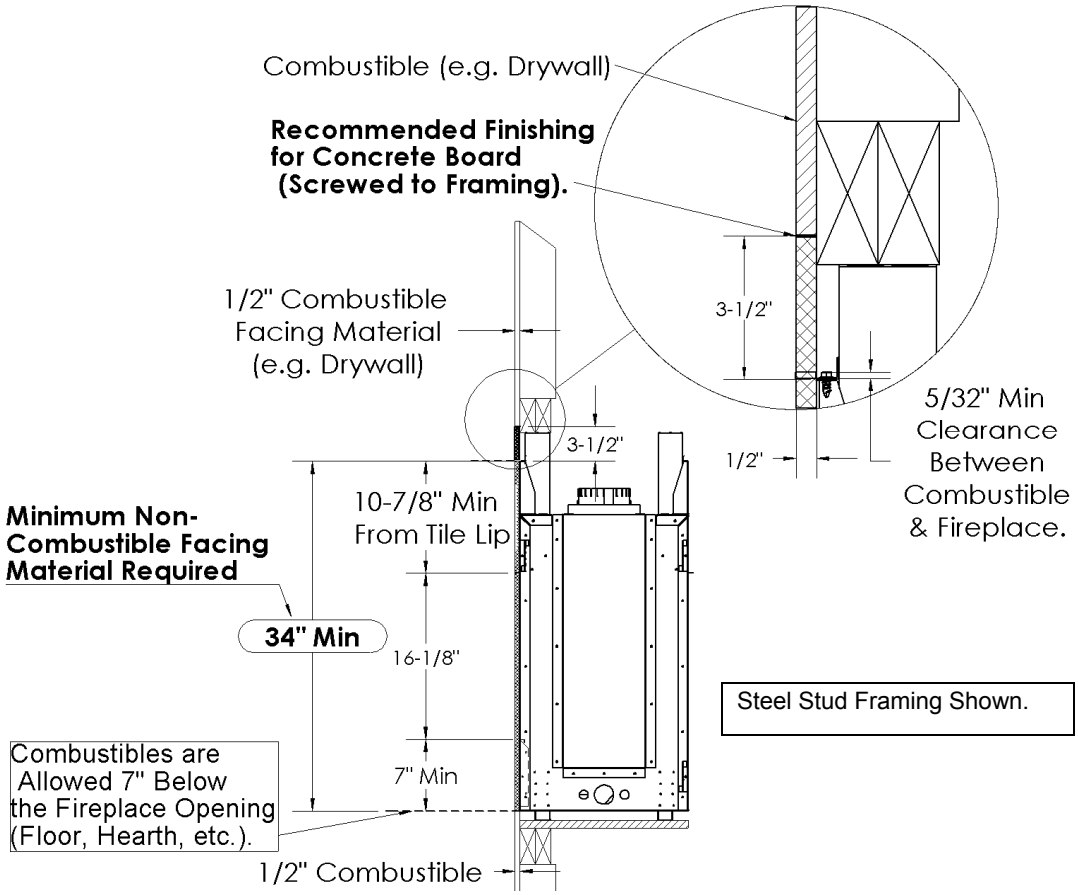
These specifications are the same for all Models (5143N, 5143NE, 5143LP, 5143LPE).

Note: <u>If using Optional Surround</u>, See Surround Clearances Section.


Combustible Material is Permitted in this Area.
Recommended Finishing for Concrete Board (Screwed to Framing).
1/2" Clearance From Fireplace Opening for Optional Surround.
3-1/2"
10-7/8"
39-1/2" Recommended Non Combustible
38" Framing
34" Min
1/2" Space Required between Sides of Fireplace and Combustibles.
16 1/8"
34" Min
These Areas are the Required Minimum when using Non-Combustible Facing Material (e.g. Marble Granite, Brick, etc.)
7"
2"
52" Min
53-1/2" Framing
Combustible Material is Permitted in this Area.
55" Recommended Non Combustible

[Steel Stud Framing Shown.]

Note: Do not drive excessively long screws into the face of the unit as internal parts may be damaged.



Steel Stud Framing Shown.

MQRB5143 Mantel Clearances

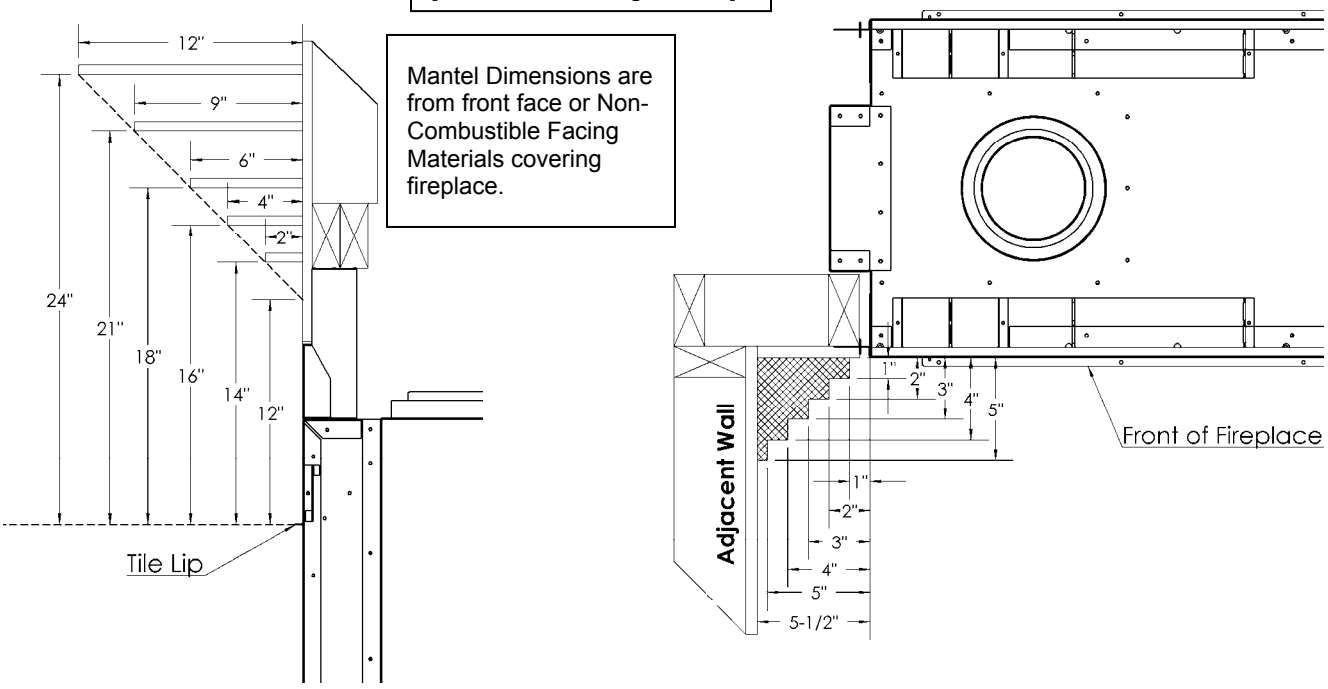
Before installing any mantels it is important to determine the combustibility of its material(s). There are two types of mantels to consider: Combustible and Non-Combustible.

> A **Combustible Mantel** is one that consists of material(s) that may discolor, combust, or lose its integrity in the presence of heat. These types of mantels must strictly conform to the dimensional requirements shown below.

Conversely, a **Non-Combustible Mantel** is one that is constructed with material(s) that will not combust. Check your local codes and regulations to determine whether your mantel is Combustible or Non-Combustible.

The advantage to Non-Combustible Mantels is that it may extend right up to the tile lip of the fireplace. Combustible mantels must adhere to the dimensional restrictions shown below.

[Steel Stud Framing Shown.]



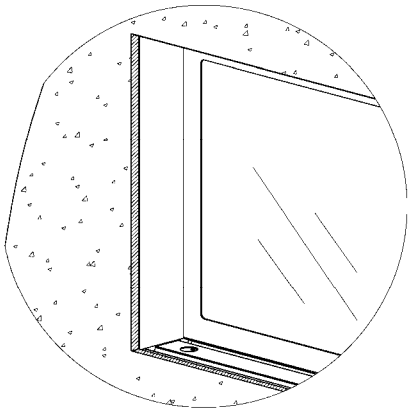
-Combustible Objects on Non-Combustible Mantel Warning-
Combustible objects must not be placed on a Non-combustible Mantel unless the mantel meets the dimensional requirements for a Combustible Mantel. Refer below to determine whether your mantel conforms to the requirements of a Combustible Mantel.

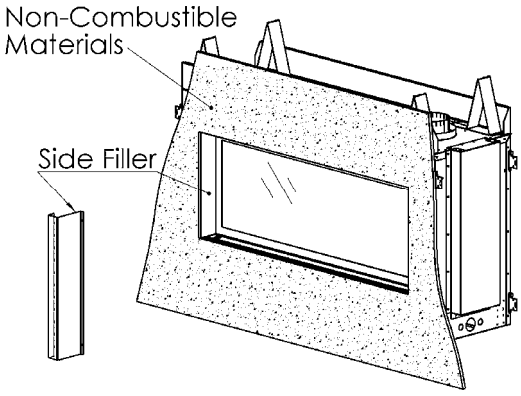
Clearance to Combustibles	
Back	0” [0cm]
Side (from Stand-offs)	0” [0cm]
Floor	0” [0cm]
Minimum Ceiling Height (from bottom of fireplace)	60”
Top (from Stand-offs)	0” [0cm]
Top of 90° Bend under 72” Enclosure	5” (With Wall Thimble Shield [Z57WTS]) All Vent Systems
Top of 90° Bend over 72” Enclosure	4” All Vent Systems
Top of Horizontal Pipe	2” All Vent Systems
Side & Bottom of Horizontal Pipe	1” All Vent Systems
Vertical Vent Pipe	1” All Vent Systems
Vertical Vent Pipe	1” Simpson / AmeriVent / Selkirk Direct Temp Systems

MQRB5143 Finishing Options

Using Side Fillers

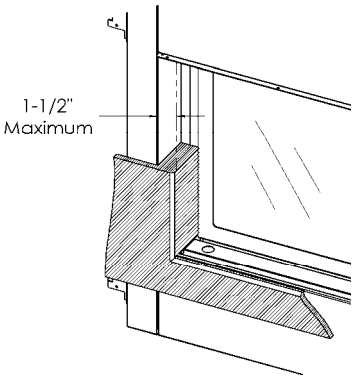
The Side Fillers are located at each side of the door. They are provided to give a continuous surface up to the opening of the fireplace door.

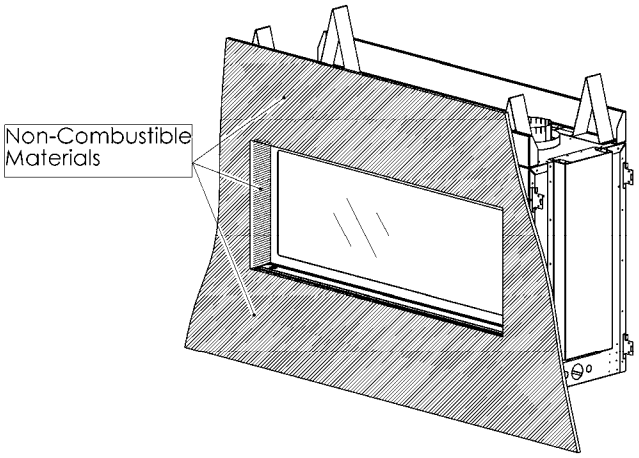




Using other Non-Combustible Materials as Side Fillers (Brick, Tile, Marble, etc.)

Non-Combustible facing materials, such as brick or tile may be used in place of the Side Fillers- so long as the **total** amount of material applied is not thicker than 1-1/2" on the inside of the fireplace opening. This will allow for removal of the Glass Door & Access Panel.



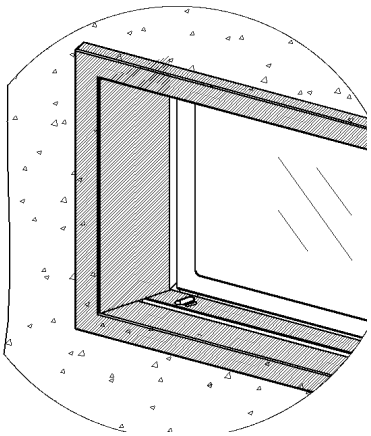


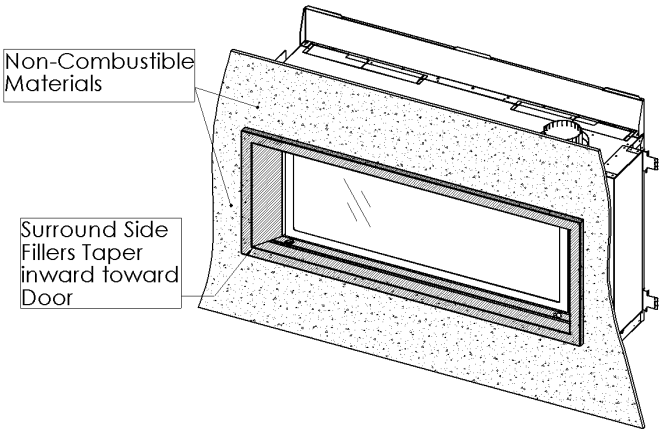
Using the MQRB5019S & MQRB5624S BL/SS/PW Surround

The Surround Frames are 1-1/2" & 4" wide and 1" thick, with a ¾" space behind the frame.

The Fireplace may be covered up to within ½" of the opening with non-combustible materials up to ¾" thick.

The Surround Side Fillers taper in toward the door opening. The Surround Access Panel is tapered to match the angle of the Side Fillers.



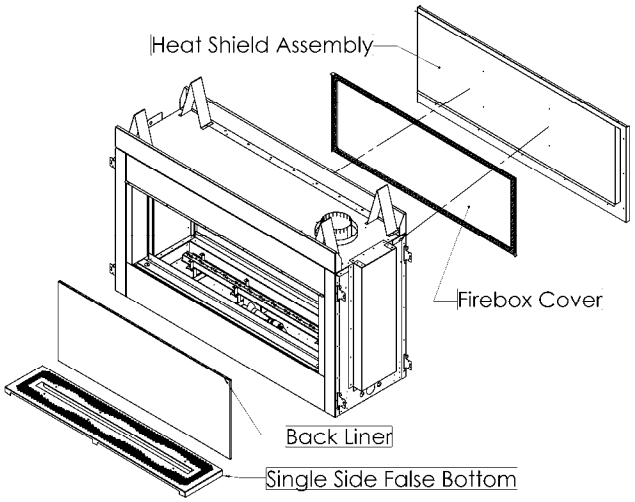


MQRB5143BK Back Shield Kit –Single View

*This Kit must be opened before unit is installed into Framing (See "**Single Sided Framing**" page of this Manual).

Contents of Kit:

- Firebox Cover
- Heat Shield Assembly
- Back Liner
- False Bottom
- Small Tube Millpac
- (Qty)45- DT Screws

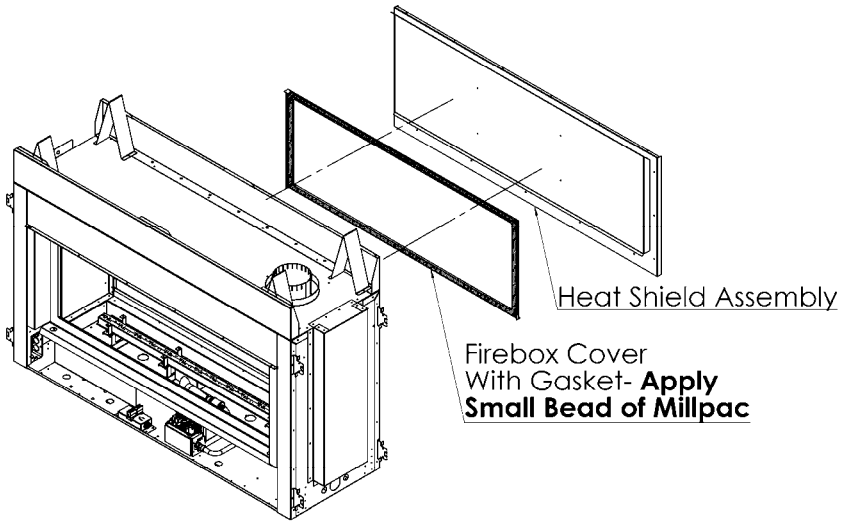


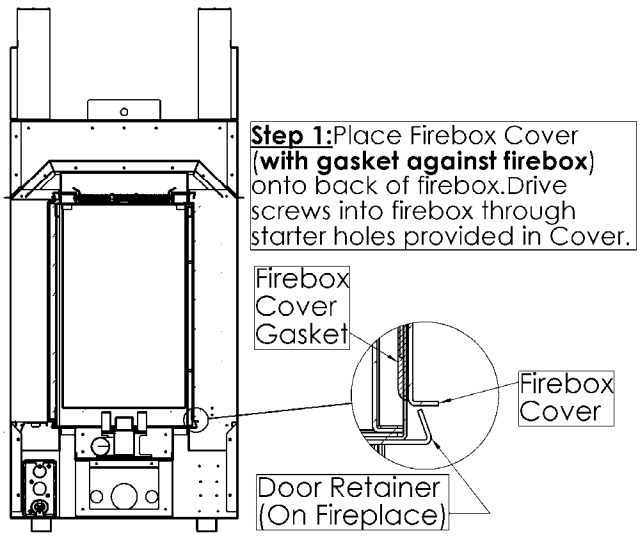
Heat Shield & Firebox Cover

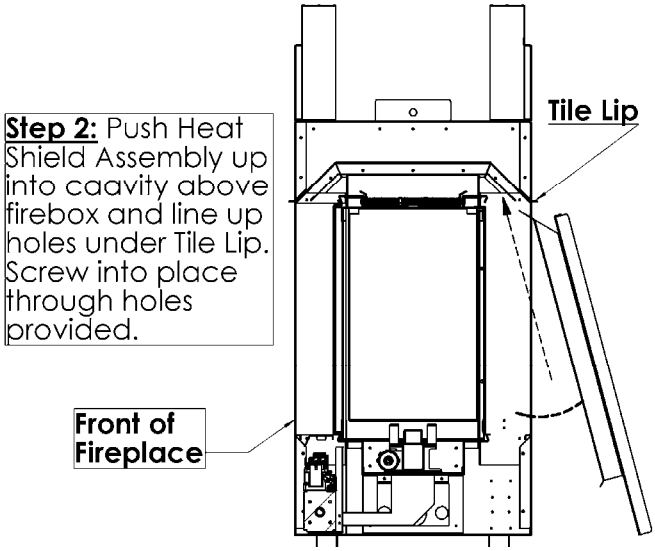
Before placing fireplace into framed opening, you must install the **Firebox Cover** and the **Heat Shield Assembly** onto the back of the unit. The remaining parts of this kit can be installed after the fireplace is installed into the framed opening.

Do Not Overtighten or Strip Screws!

Apply a small bead of Millpac to Firebox Cover Gasket before Installation.



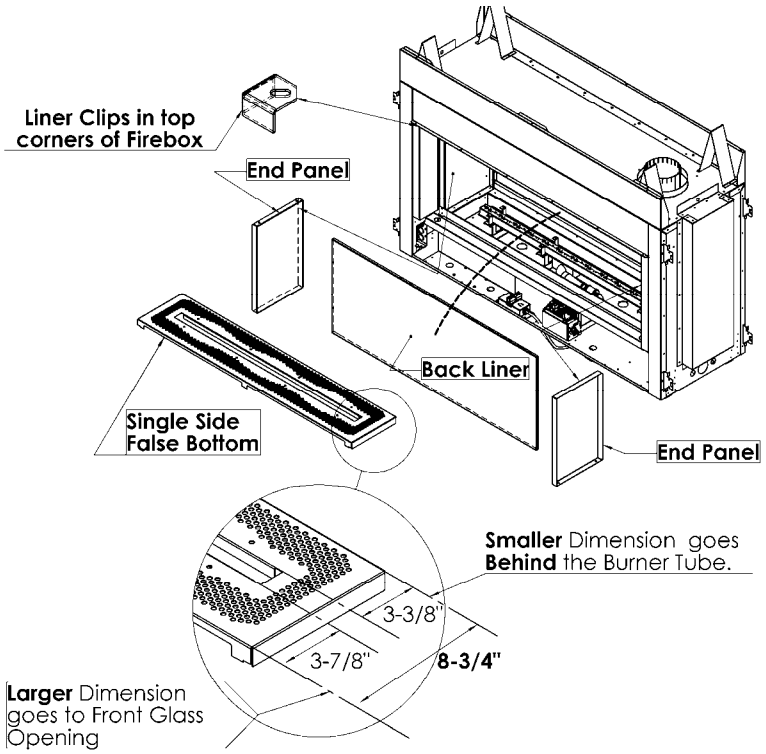

Step 1: Place Firebox Cover (**with gasket against firebox**) onto back of firebox.Drive screws into firebox through starter holes provided in Cover.
Firebox Cover Gasket
Firebox Cover
Door Retainer (On Fireplace)


Step 2: Push Heat Shield Assembly up into caavity above firebox and line up holes under Tile Lip. Screw into place through holes provided.
Tile Lip
Front of Fireplace

(**Continued**…)

Back Liner, False Bottom, and End Panel Installation:

1. Remove Liner Clips from the inside of the Firebox.
2. Place the Back Liner into the Firebox with bends facing the Rear Firebox Cover.
3. Next install the False Bottom with larger Dimension to Front Glass Opening (**See Right**), and secure it with 6 DT screws into the mounting tabs on the Burner Tube.
4. Place End Panels on top of the False Bottom and tilt into place at either end of the Firebox. Replace the Liner Clips.



MQRB5143SK (See Thru Kit) Installation

This basic Kit is required for See Thru installations.

Note: If you wish to cover the Side Fillers with non-combustible materials, they must be installed before Facing materials are applied.

Components:

[2ea.] Side Fillers

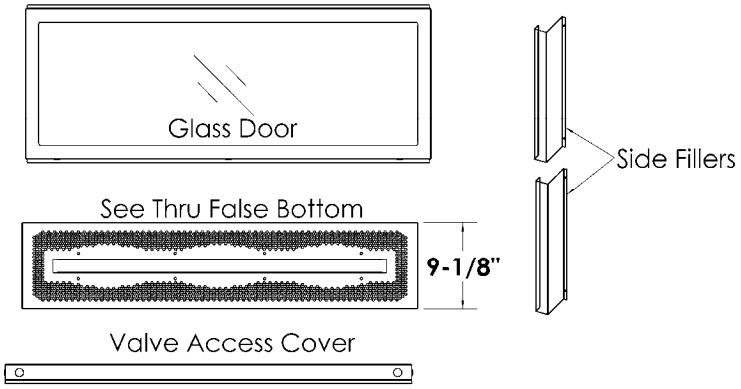
Valve Access Cover

Glass Door c/w Glass

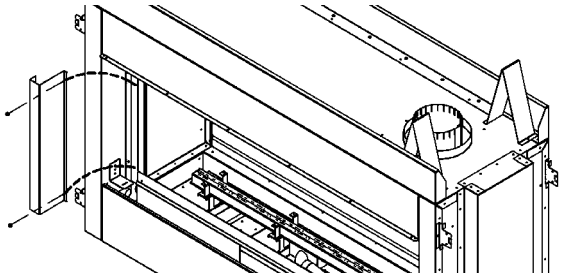
See Thru False Bottom

[4ea.] #6 Black Screws

[6ea.] ¼" DT Screws



Installation Procedure:

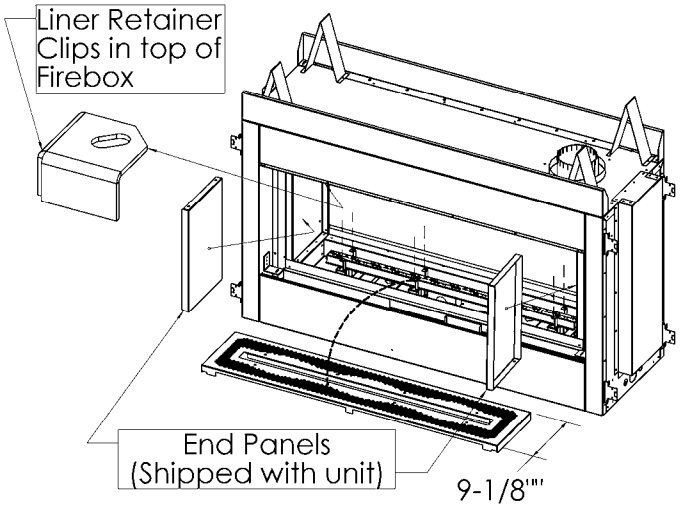


1. Side Fillers

Place Side Filler onto Side of Fireplace opening. Attach with [2] #6 Screws provided. Repeat for the other side.

2. False Bottom

Insert False Bottom into Fireplace. Fasten the False Bottom to the Burner Assembly with [6] DT Screws provided.

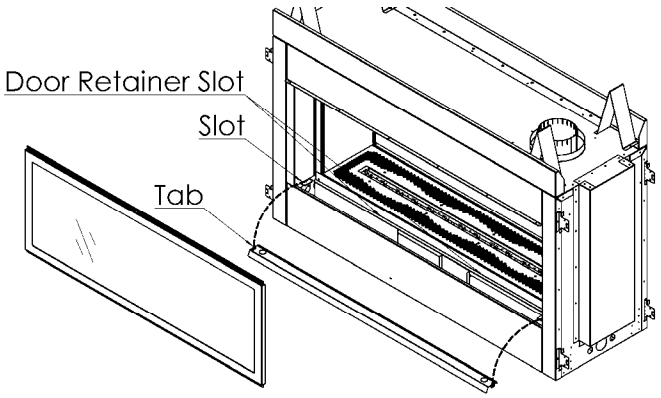


3. End Panels

Remove the Liner Retainer Clips in the Firebox Top. Place End Panels into Firebox on top of the False Bottom and tilt into place at either end of the Firebox. Replace the Liner Retainer Clips.

4. Door

Place the bottom of the door into the door retainer slot, and then secure the door with the top latches (See Door and Glass Information in manual if more information is required).



5. Valve Access Cover

To locate Valve Access Cover, engage the tabs into the slots in the Access Panel Brackets on the Fireplace.

MQRB5143 Surround Installation

The Surround Kits for the MQRB5143 are available in 3 different finishes:

	Small [1-1/2”]	**Large** [4”]	
Surround Kits:	MQRB5019SBL	MQRB5624SBL	-Black
	MQRB5019SSS	MQRB5624SSS	-Stainless Steel
	MQRB5019SPW	MQRB5624SPW	-Pewter

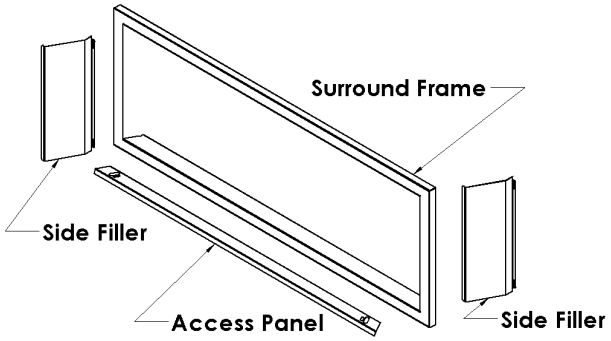
Each kit contains:

(Qty-1) Surround Frame

(Qty-2) Surround Side Fillers

(Qty-1) Surround Access Cover

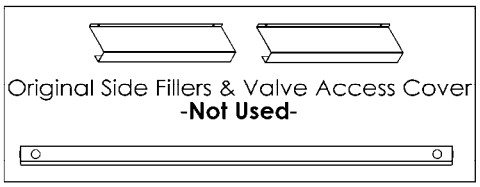
(Qty-6) #6 Self Tapping Screws

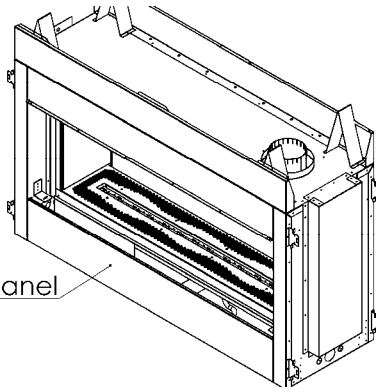


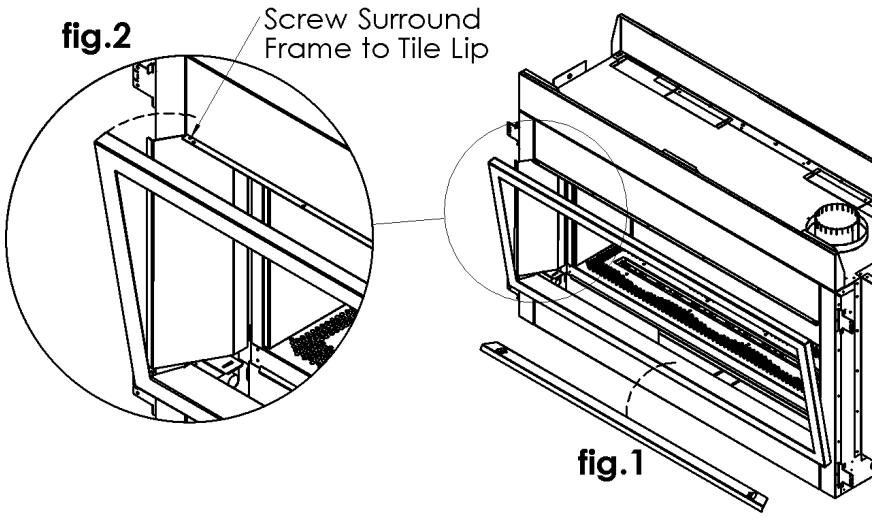
The Surround Frames are 1” thick, with a ¾” space behind the frame. The Fireplace may be covered up to within ½” of the opening with non-combustible materials.

Surround Installation:

1. **Note:** Original Side Fillers & Valve Access Cover will not be used.
2. The Lower Front Face Panel must be installed on the fireplace before surround can be installed.
3. Remove Glass Door from fireplace.
4. Hook lower ledge of Surround Frame onto the Lower Front Face Panel of the fireplace. With top of Frame tilted outward, slide Side Fillers behind Surround Frame.
5. Push Surround Frame into place and install using the existing screw holes in the tile lip. Front Edge of the Side Filler must rest between Surround Frame and Fireplace [see **fig.2**].
6. Fasten the Side Fillers to the fireplace using the two [2] existing holes on either side of the firebox opening.
7. Replace the Glass Door and put the new Valve Access Cover into place with angled ends to match Side Fillers.







NOTES: Cotton gloves **must** be worn to protect the finish during installation and handling.

All hand and finger marks **must** be cleaned off with a soft cloth and light detergent prior to applying heat to the unit.

Stainless panels may discolor a little during normal operation. This is normal and should not be considered a defect.

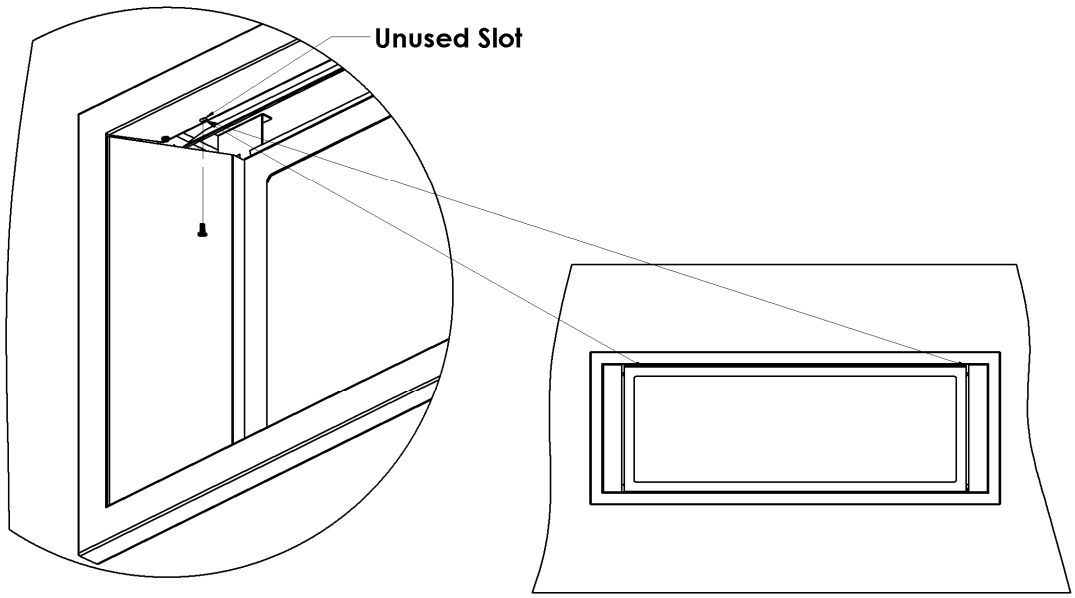
*For Stainless Steel Surrounds see next page.

Optional Additional Screws: Stainless Steel Surrounds

Two additional screws may be added to **MQRB5019SS** and **MQRB5624SS** to counteract heat distortion.

Directions:

1. Install Surround normally as per Instructions.
2. Drill a pilot hole through the unused slot in each corner of the inner top of the surround.
3. Insert Screw.



Optional Glass Ember Installation

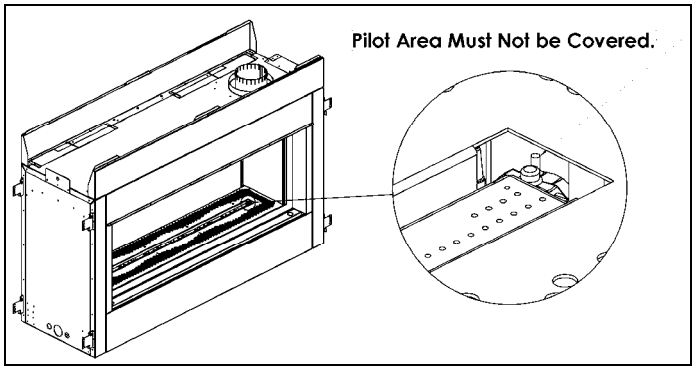
If you wish to use this media evenly spread the glass embers onto the false bottom and burner.

Ensure the glass embers do not excessively overlap as this will affect the flame pattern.

(MQG5W) 5 lbs of ½" White Ember Glass is supplied with every unit.

⚠WARNING

Do not change or substitute the glass ember material provided with this fireplace. If replacing, use only replacement glass embers available from your local authorized dealer.



Use care when placing glass embers near the pilot area so as not block or have the glass fall over the crossover holes from the pilot to the burner, as delayed ignition can occur.

The following types of glass are approved (Use of any other type other than listed below can alter the performance of the unit and is not covered under warranty.):

Note: Use only 1/2" glass material on the burner.

- ½" Ember Glass Material from American Fireglass, maximum amount for Natural Gas is 10 lbs, Propane units 5 lbs.
- Liquid Glass from Firegear, maximum amount for Natural gas is 10 lbs, not recommended for Propane appliances.

Discoloration of glass media may occur if placed on the burner, this is not covered under warranty.

Door and Glass Information

Glass Cleaning

It will be necessary to clean the glass periodically. During startup, condensation, which is normal, forms on the inside of the glass, and causes dust, lint etc. to cling to the glass surface.

Also, initial paint curing can deposit a slight film on the glass. It is therefore recommended that initially the glass be cleaned two or three times with **non abrasive** common household glass cleansers and warm water. After that, the glass should be cleaned two or three times a season depending on the circumstances.

Cautions and Warnings

- Do not clean when the glass is hot.
- The use of substitute glass will void all product warranties (see **Glass Replacement** in this section).
- Care must be taken to avoid breakage of the glass.
- Do not operate this fireplace without the glass front or with a broken glass front.
- Do not strike or abuse the glass.

Glass Replacement

Only Robax ceramic or coated Neoceram glass may be used for replacement for Models **MQRB5143** and **MQRB6169**. Glass must be minimum 5mm thick.

To replace glass, clean all materials from the door frame. Scrape off old silicone all the way down to the metal. Using high-temp silicone [rated up to 500°F (260°C)] apply a continuous bead of approximately 1/8”-3/16” to all four [4] sides of the frame. With the frame resting on a flat surface, insert the new glass with a new gasket. Gently press the glass into the silicone. Be careful not to use excessive force on the glass. Let the silicone dry for approximately 15-20minutes.

Use caution when removing broken glass. Wear gloves.

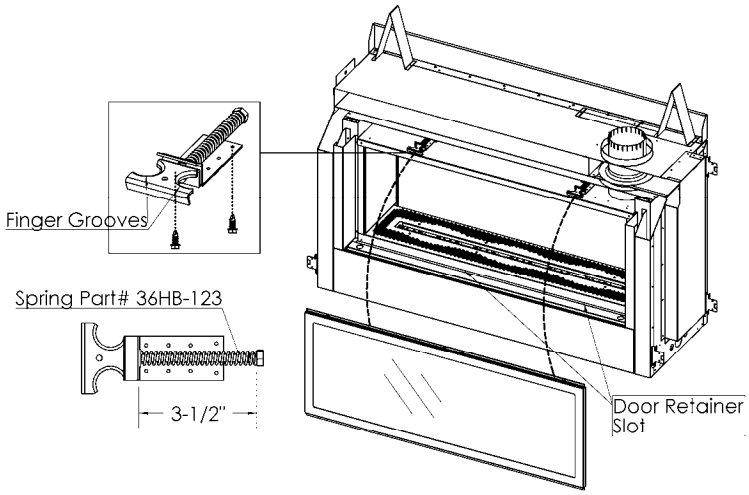
Removal of the Glass Door

1. Remove the door by unlatching the 2 top latches. Simply place 2 fingers in the grooves, and pull and lift upward slightly.
2. Once the top of the door is unlatched, tilt the door forward and lift upward to release the bottom.
3. When re-installing the door, place the bottom of the door into the door retainer slot and then secure the door with the top latches.

Spring Replacement

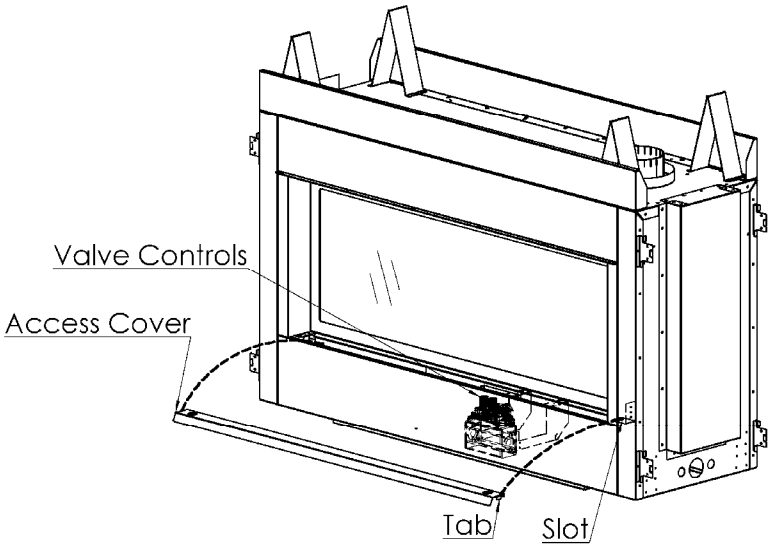
*Over time, the door latch spring (Part#36HB-123) may need to be replaced if tension is lost.

1. To replace latch spring, remove the 2 hex screws (located in the firebox) that secure the latch assembly in place.
2. Once the screws are removed the latches will slide out of place.
3. Remove the locknut from the latch assembly and replace the spring. Re-tighten the locknut until 2 thread turns are beyond the locknut. This is critical for proper tension. Replace latch assembly.



Valve Access Cover Removal

Remove Valve Access Cover in order to access igniter and valve controls. To remove Valve Access Cover, simply insert fingers into holes in Access Panel and lift out. When replacing Access Panel, engage Tabs into Slots in Bracket.



MQRB5143 Removable Lower Face Panel

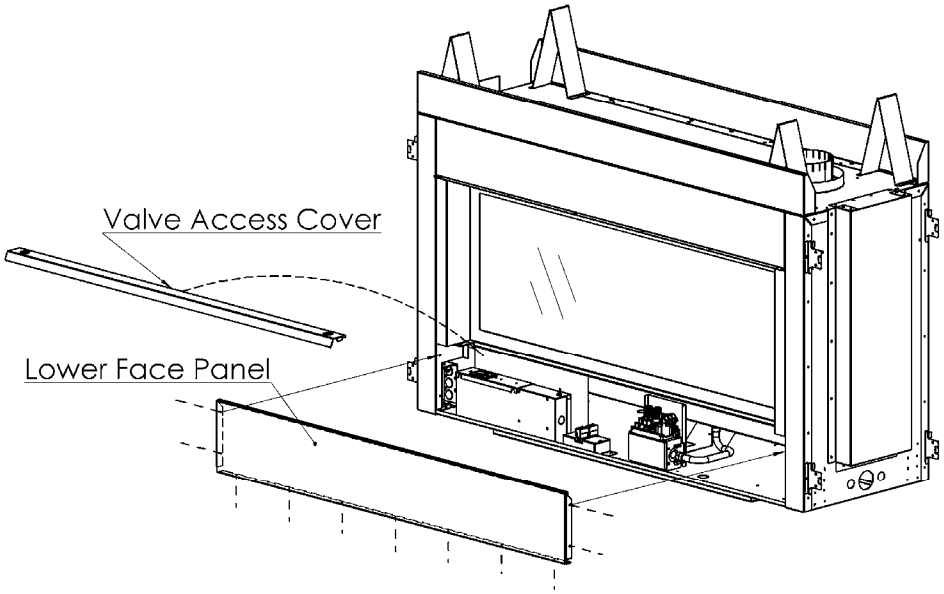
Installers Note:

Once the installation is complete attach the Lower Face Panel. Insert two [2] screws on each side and seven [7] screws at the bottom of the Lower Face Panel. Place on the Valve Access Cover.

The Lower Face Panel must be on the unit **Before** Facing Materials are applied.

⚠ Lower Ledge of Lower Face Panel Must be **Under** the Fireplace. Surround will not fit otherwise. ⚠

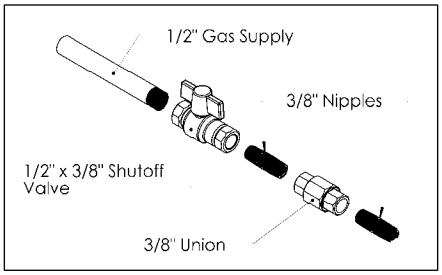
Note: Once Facing Materials are applied, removal of the Lower Face Panel will not be possible.



Gas Line Installation

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CAN/CGA - B149.1 or .2 installation codes for Gas Burning appliances and equipment in Canada and the National Fuel Gas Code ANSI Z223 in the U.S.A.

1. The gas pipeline can be brought in through either the left side or the bottom of the appliance. A knockout is provided at either location to allow for the gas pipe installation and testing of any gas connection.
2. The gas control inlet is 3/8" NPT. Typical installation layout for rigid pipe is shown at right.
3. When using copper or flex connector, use only approved fittings. Always provide a union so that gas line can be easily disconnected for burner or fan servicing. See gas specification for pressure details and ratings.
4. When a vertical section of gas pipe is required for the installation, a condensation trap is needed. See CAN/CGA-B149.1 or .2 for code details.



5. For natural gas, a minimum of 1/2" iron pipe with gas minimum pressure of 5.5" w.c. must be used for supply from the gas meter. Consult with the local gas utility if any questions arise concerning pipe sizes.
6. Ports are accessible for test gauge connection both on the inlet and outlet of the gas valve.
7. Turn the gas supply ON and check for leaks. DO NOT USE OPEN FLAME FOR THIS PURPOSE. Use an approved leak testing solution.
8. The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2psig [3.5 KPa].
9. The appliance must be isolated from the gas supply piping system by closing its individual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2psig [3.5 KPa].

Note: The gas line connection may be made of 1/2" rigid pipe, 1/2" copper pipe or an approved flex connector. Since some municipalities have additional local codes, it is always best to consult your local authorities and the current CAN/CGA - B149.1 or .2 installation codes in Canada or the National Fuel Gas code ANSI Z223.1 in the U.S.A.

For the state of Massachusetts a T-handle gas shut-off valve must be used on a gas appliance. This T-handle gas shut-off valve must be listed and approved by the state of Massachusetts. This is in reference to the state of Massachusetts state code CMR238.

IMPORTANT: Always check for gas leaks with a soap and water solution. DO NOT USE OPEN FLAME FOR LEAK TESTING.

Warning: When purging the gas line, the glass front must be removed.

Do not alter the gas orifice.

Gas Specifications

Models	MQRB5143N		MQRB5143LP	
Fuel	Natural Gas		Propane	
Gas Control	Millivolt Adjustable		Millivolt Adjustable	
Maximum Input	28,000 Lo / 40,000 Hi		31,000 Lo / 40,000 Hi	
Orifice Size (0-4500ft)	#30		#46	
Air Shutter	1/32"		3/8"	
Gas Inlet Size	S.I.T. 820 Nova, 3/8" NPT			
Gas Supply Pressure	**Minimum**	**Normal**		**Maximum**
Natural Gas	5.5"	7"		9"
Liquid Propane	11"	11"		12"
Manifold Pressure High	3.5" w.c. [0.87KPa] **NG**		10" w.c. [2.61KPa] **LP**	
Manifold Pressure Low	1.6" w.c. [0.40KPa]		6.3" w.c. [1.57KPa]	

Millivolt System, Lighting, and Burner Control

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

BEFORE LIGHTING

A This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B Smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light an appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C Use only your hand to push or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified technician. Force or attempted repair may result in a fire or explosion.

D Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.

LIGHTING INSTRUCTIONS

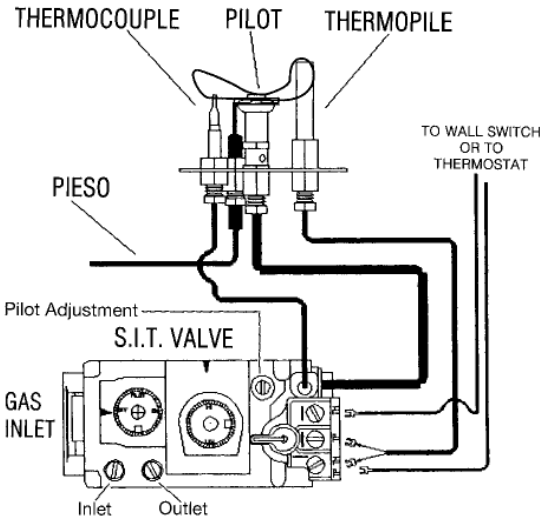
1. Stop! Read the safety information above on this label.
2. Set the thermostat to lowest setting.
3. Turn off all electrical power to the appliance.
4. Locate valve under the burner assembly.
5. If the control knob is not already in the off position, ie. the word "OFF" in the 9 o'clock position, then push in the gas control knob slightly and turn ↷ clockwise to "OFF".
   NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not use force.
6. Wait five (5) minutes to clear out any gas. If you then smell gas. STOP! Follow "B" in the safety information above on this label. If you don't smell gas then go to the next step.
7. Now push in the control knob slightly and turn counter-clockwise ↶ to the "PILOT" position.
8. Push in the control knob all the way and hold it. With the other hand push in the red ignitor button until you hear a click. Now observe closely the pilot burner located on the rear center-left hand side of the main burner. If a flame has appeared then continue to depress the control knob for 20 seconds. If the flame did not appear then continue to depress the red ignitor button every 5 seconds until a flame is established. NOTE: If after 30 seconds a flame has not yet been established then turn the control knob back to the off position and repeat steps 5, 6 & 7.
9. Once the pilot has been established hold the control knob in the depressed position for approximately 25 seconds before releasing. If the flame goes out then repeat steps 7 and 8.
10. Now turn the control knob to the "ON" position. The burner will not light unless the wall switch thermostat or remote control is turned "ON" or in the case of the thermostat there is a call for heat.
11. Close the access door and turn all electric power back to the appliance.

TO TURN OFF THE APPLIANCE

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Open the control access door.
4. Push in the gas control knob slightly and turn clockwise ↷ to the "OFF" position. Do not force.
5. Replace control access panel.

Recommended Maximum Lead Length (Double Wire) When Using Wall Switch or Thermostat

Wire Size	Max. Length
14 GA.	100 FT.
16 GA.	64 FT.
18 GA.	40 FT.
20 GA.	25 FT.
22 GA.	16 FT.



Pilot Burner Adjustment

1. Adjust pilot screw to provide proper sized flame.

CAUTION: DO NOT WIRE 120 VOLT POWER TO MILLI-VOLT SWITCHES OR THERMOSTAT.

Troubleshooting the Millivolt Gas Control System

WARNING: BEFORE DOING ANY GAS CONTROL SERVICE WORK, REMOVE THE GLASS FRONT.
NOTE: Before troubleshooting the gas control system, be sure external gas shut off is in the "On" position.

Problem	Possible Causes	Corrective Action
Spark igniter will not light.	Defective or misaligned electrode at pilot.	Check for spark at electrode and pilot: if no spark and electrode wire is properly connected, replace igniter.
	Defective igniter (push-button).	Using a match, light pilot. If pilot lights, turn off pilot and push the red button again. If pilot will not light - check gap at electrode and pilot should be 1/8" to 1/4" to have a strong spark.
Pilot will not stay lit after carefully following lighting instructions.	Defective thermocouple (flame switch where applicable).	Check pilot flame. Must impinge on generator and thermocouple. Clean and/or adjust pilot for maximum flame impingement on generator and thermocouple. Replace thermocouple if pilot will not hold. (Hand tight 1/8 turn on replacement)
	Defective valve magnet.	Replace valve, if pilot won't hold after the thermocouple is replaced.
Pilot burning, no gas to burner, valve knob “ON”, and wall switch “ON”.	Wall switch or wires defective.	Check wall switch and wires for proper connections. Jumper wire across terminals at wall switch. If burner comes on, replace defective wall switch. If okay, jumper wires, across wall switch wires at valve. If burner comes on, wires are faulty or connections are bad.
	Generator may not be generating sufficient voltage.	Check generator with millivolt meter. Take reading at generator terminals of gas valve. Should read 325 millivolts minimum while holding valve knob depressed in pilot position and wall switch "off" Replace faulty generator if reading is below specified minimum.
	Plugged burner orifice.	Check burner orifice for stoppage and remove.
	Defective automatic valve operator.	Remove wall switch wires from gas valve. Install jumper wires from top bottom terminals of gas valve. Turn valve on "ON". If main burner does not light, replace valve.
Frequent pilot outage problem.	Pilot flame may be too low or blowing (high) causing the pilot safety to drop out.	Clean and/or adjust pilot flame for maximum flame impingement on generator and thermocouple.
Flame lifts off burner and goes out in less than 30 seconds.	Inner 4” liner has come off flue or termination, flame is starving for oxygen.	Attach 4" liner to flue or termination using screws, silicone and clamps as stated in manual.
Flame lifts off burner on one side while the rest of the flame remains lit.	Improper installation of firebrick. Firebrick is likely leaning.	Be sure to position firebrick against firebox walls and be sure to use brick clips attached to the inner side of firebox.

Burner System Maintenance

It is recommended to annually inspect and clean the Burner System to prevent malfunction and / or sooting. This operation should be performed by your dealer or a qualified technician.

⚠ -CAUTION-

Before servicing the burner system ensure that the gas supply is turned OFF and disconnect all electrical connections to the appliance. Allow the appliance to cool to room temperature. Note that the pilot assembly may be hot in an intermittent or standing-pilot system—even if the main burner was never on. Exercise caution when working within the area.

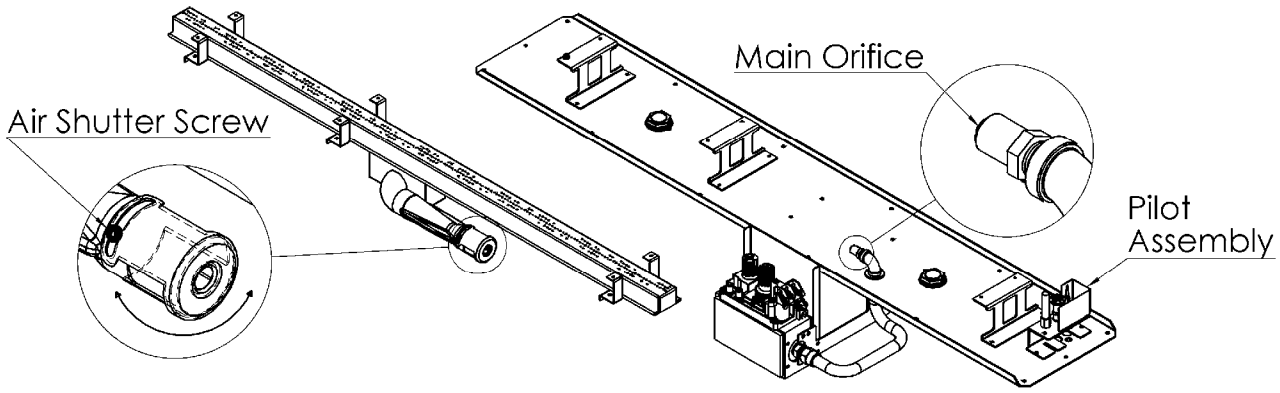
-ALL WORK SHOULD BE PERFORMED BY A QUALIFIED AND CERTIFIED TECHNICIAN-

MQRB5143 Gas Conversion

or Models: MQRB5143N, MQRB5143LP, MQRB5143NE, MQRB5143LPE.

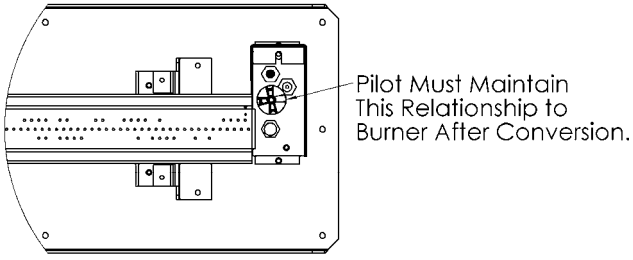
Kit Number	Description	Pilot Orifice	Burner Orifice	Nipple	Air Shutter	Hi/Lo Regulator
5143MQ-CKLP	LP Conversion	1001-P167SI	#46	1000-253closed	3/8”	1001-P202SI
5143MQ-CKNG	NG Conversion	1001-P165SI	#30	1000-253closed	1/32”	1001-P201SI
5143MQ-CKLPI	LP Conversion	1001-P168si	#46	1000-253closed	3/8”	1002-P014si
5143MQ-CKNGI	NG Conversion	1001-P166si	#30	1000-253closed	1/32”	1002-P016si

IMPORTANT: Always check for gas leaks with a soap and water solution. DO NOT USE OPEN FLAME FOR LEAK TESTING.



Caution: the gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.

1. The Burner Tube must be removed from the Burner Pan Assembly (See **Burner Tube Removal**). Adjust the Air Shutter to the correct Primary Air setting as specified in the manual or on the label plate. To adjust the Primary Air setting, loosen screw on the side of the Air Shutter and rotate to the correct opening using a drill bit or tape measure. Retighten screw.
2. Remove the Main Orifice using a ½” wrench and replace with the new Conversion Orifice which came with the Conversion Kit.
3. Replace the Burner Tube. Install the new Pilot Orifice (See **Pilot Conversion**) and Hi/Lo valve regulator by following instructions supplied with the Conversion Kit.



Refer to “**Gas Specifications Chart**” in this Manual.

-Warning-

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Gas Conversion for Top Convertible Pilot (Series 019065X)

Instructions for converting SIT 190 series pilot burner injection from NG to LPG and from NG to LPG only. This information should be considered as supplemental to the Appliance Manufacturer's Instructions.

WARNING!

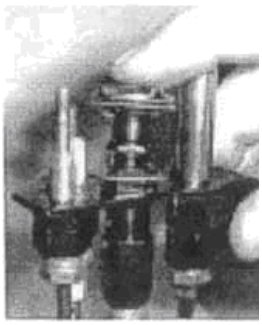
The installation of this conversion kit must only be undertaken by a qualified and certified gas appliance installer.

1. Shut off the gas supply to the appliance.
2. Allow the pilot burner to cool to room temperature. WARNING: Touching a hot pilot burner can result in injury.
3. The pilot hood is held in place by spring pressure. Remove the hood by pulling it directly up from the pilot bracket (a).
4. Insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the injector (b), and rotate it ↺ counter-clockwise until it is free of the injector journal (c).
5. Verify that the new injector is proper for the application. The injector size is stamped on the side of the injector near the top. LPG injectors have a groove machined around their circumference near the top, while NG injectors do not have a groove (e). Refer to the Appliance Manufacturers instruction sheet for the proper injector size.
6. Insert the Allen wrench into the end of the injector. Then, insert into injector journal, and rotate the injector clockwise until a torque of 9 in-lbs is achieved.
7. Replace the pilot hood by aligning the tab on the base of the hood with the slot in the side of the pilot journal, and push the hood down, directly onto the pilot bracket (d). The hood must sit squarely on the bracket for proper operation. Check to insure that the hood is properly seated onto the pilot bracket.

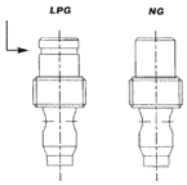
(a)

(b)

(c)



(d)



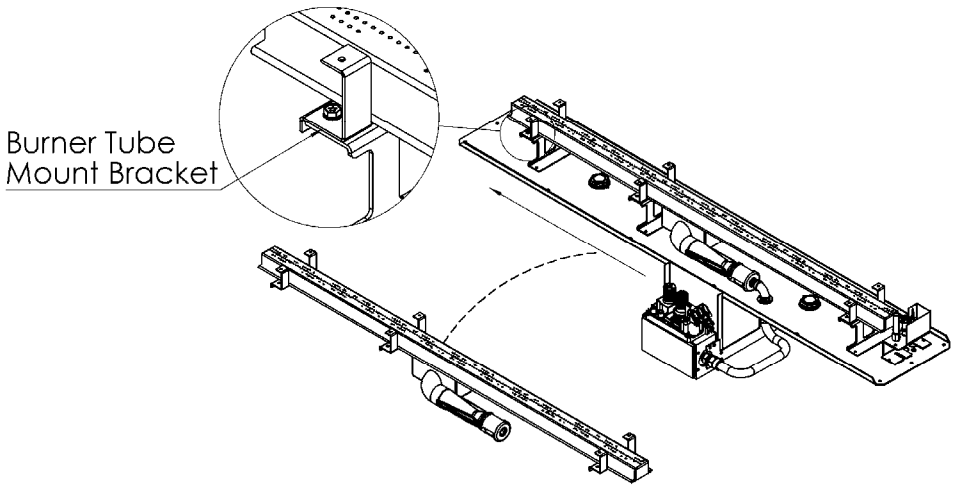
(e)

SIT Group

WARNING

This conversion kit must only be applied as part of a conversion kit supplied by the appliance Manufacturer for the specific appliance, and type of gas being converted. INSTALLER NOTICE: These instructions must be left with appliance.

MQRB5143 Burner Tube Removal

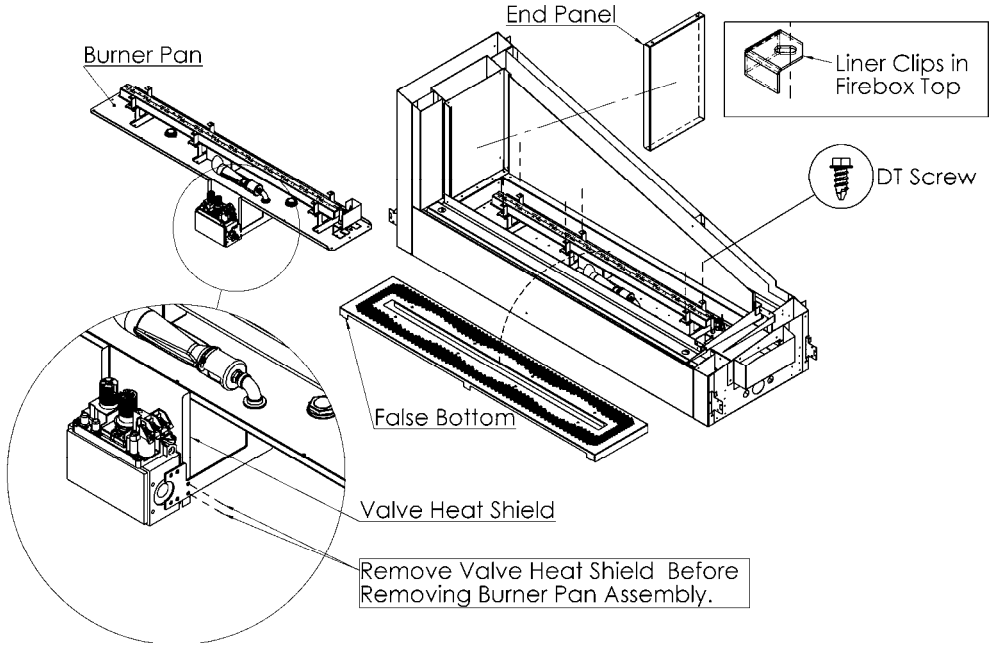


1. Remove the six [6] DT screws from the lower portion of the Burner Tube Mount Brackets.
2. Slide the Burner Tube away from the Plumbing Connection until it disengages from the orifice.
3. Reverse these steps to reinstall.

MQRB5143 Burner System Removal/Installation Guide

⚠ -Warning-

Turn off Unit and allow to cool before cleaning. Only a Qualified service technician should service and repair this appliance.



1. Lift off Valve Access Cover. Remove Valve Heat Shield.
2. Remove the Glass Door from the unit. Loosen Liner Clips in Firebox Top & remove End Panels. Remove DT screws and lift out the False Bottom.
3. Remove the fourteen [14] DT screws around the perimeter of the burner pan.
4. Carefully work the burner pan loose & lift the assembly upward to remove it from the firebox cavity.

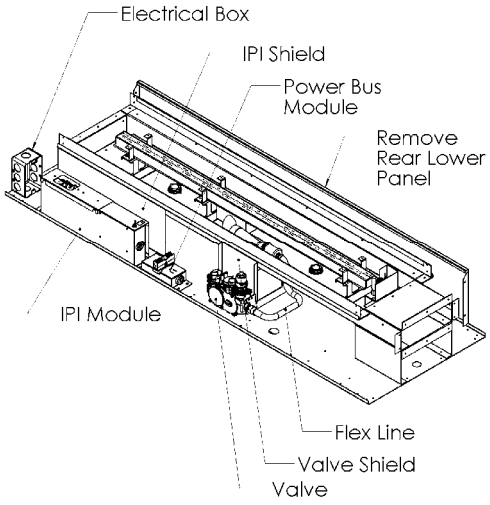
Installation is the reverse of these steps. Ensure that the mounting surface is clean & fresh **Black Mill Pac** is used to reseal the burner pan.

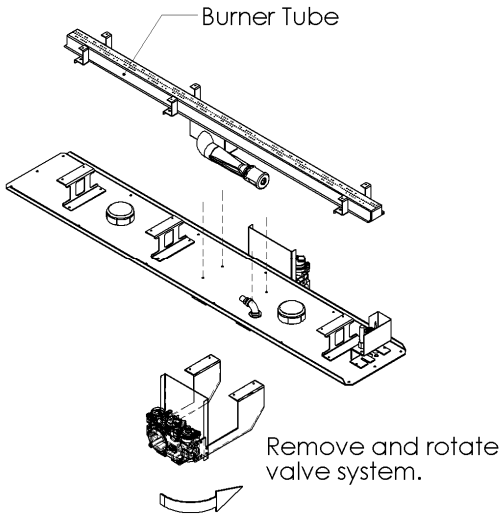
Moving Valve to Other Side of Fireplace

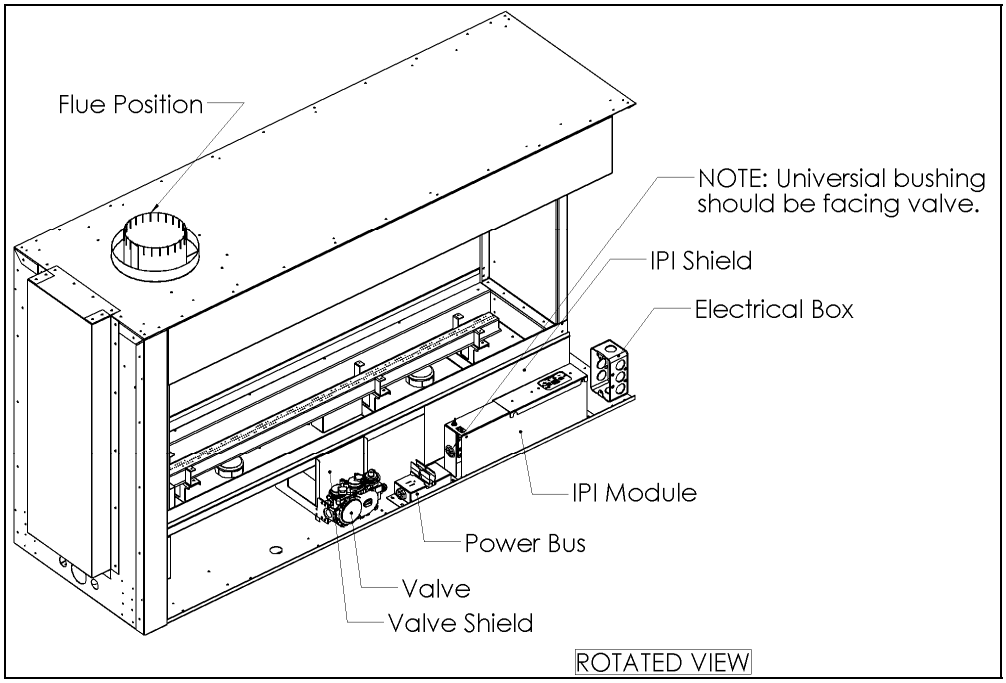
The Valve Assembly may be changed to the other side of the fireplace.

This must be done **Before** the unit is inside the enclosure.

1. Remove the Burner Tube (See **Burner Tube Removal** section in this Manual).
2. Disconnect plumbing from the valve, including connections to Pilot. Remove the [4] DT screws in the burner pan which hold the Valve System in place. Reinstall with the Valve System on the other side of the fireplace. Reconnect plumbing, along with Pilot. **These connections must be leak tested.**
3. Remove the Electrical Box and Light Power Bus Module (and IPI Module & IPI Shield if used), and locate these items to the other side of the unit.
4. Replace the Burner Tube.



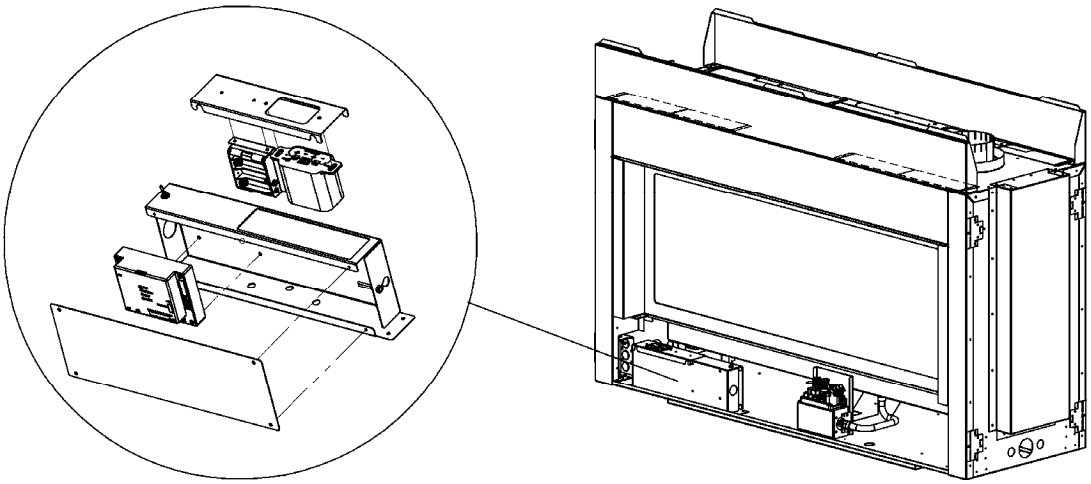




IPI Electronic Ignition System

SYSTEM NOTE

In the event of an operational lockup the IPI system must be reset by removing the batteries from both the backup pack and the remote receiver module.

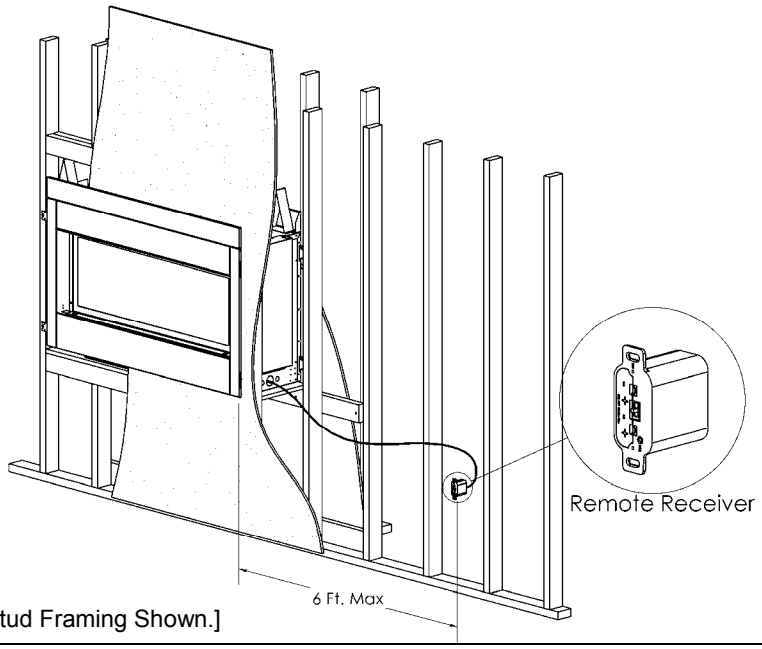


Remote Receiver Location

-For All IPI Installations & GT Series Remotes Only-

The Remote Receiver may be located outside of the unit- up to a maximum of 6 feet from either side of the fireplace. An Extension Harness (Part No. 1001-P904SI) is required.

The face of the Remote Receiver must be accessible for programming the remote as well as changing the batteries.



[Steel Stud Framing Shown.]

Electronic Ignition Lighting Instructions

⚠ WARNING

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

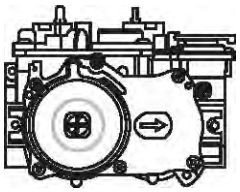
Always light the pilot whether for the first time or if the gas supply has ran out with the glass door opened or removed.

FOR YOUR SAFETY READ BEFORE LIGHTING:

A. This fireplace is equipped with an ignition device which automatically lights the pilot. Do not try to light by hand.
B. Before operating smell all around the fireplace area for gas and next to the floor because some gas is heavier than air and will settle on the floor.
C. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and replace any part of the control system and any gas control which has been under water.

WHAT TO DO IF YOU SMELL GAS:

- Turn off all gas to the fireplace.
- Open windows.
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.



LIGHTING INSTRUCTIONS

1. Stop! Read the above safety information on this label.
2. Remove batteries from receiver, and/or Battery Backup Pack.
3. Turn off all electric power to the fireplace.
4. This fireplace is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
5. Open the glass door.
6. Turn manual shutoff valve clockwise to off (Located behind the access panel).
7. Wait five (5) minutes to clear out any gas. If you smell gas including near the floor, **STOP!** Follow “B” in the above safety information on this label. If you don’t smell gas go to the next step.
8. Turn manual shutoff valve counter-clockwise to on.
9. Close the glass door.
10. Turn on all electric power to the fireplace and re-install batteries into the Transmitter/ Receiver, and/or Battery Backup Pack.
11. Turn “On” Switch that operates the Main Burner. If using a Remote Control refer to Remote Control Operation Manual for activation.

TO TURN OFF GAS

1. Turn off all electric power to the fireplace if service is to be performed, including removing batteries from Remote Transmitter/Receiver and/or Battery Backup Pack.
2. Access door inside the firebox must be removed to access the manual shutoff valve.
3. If alternate shut-off valve was installed it can be shutoff instead of going through the fireplace to access the fireplace shut off valve.

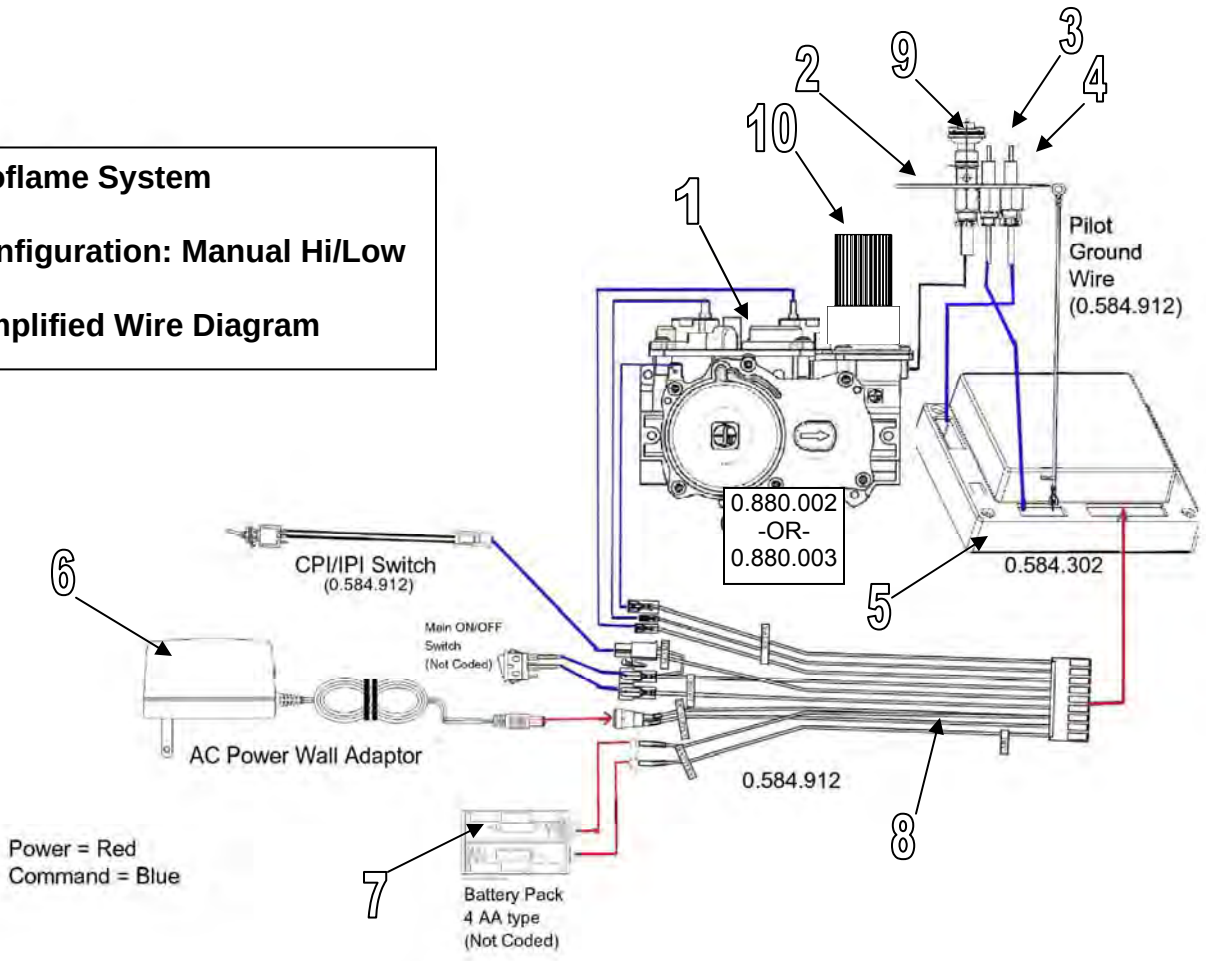
IPI Electronic Ignition Parts List – Standard System

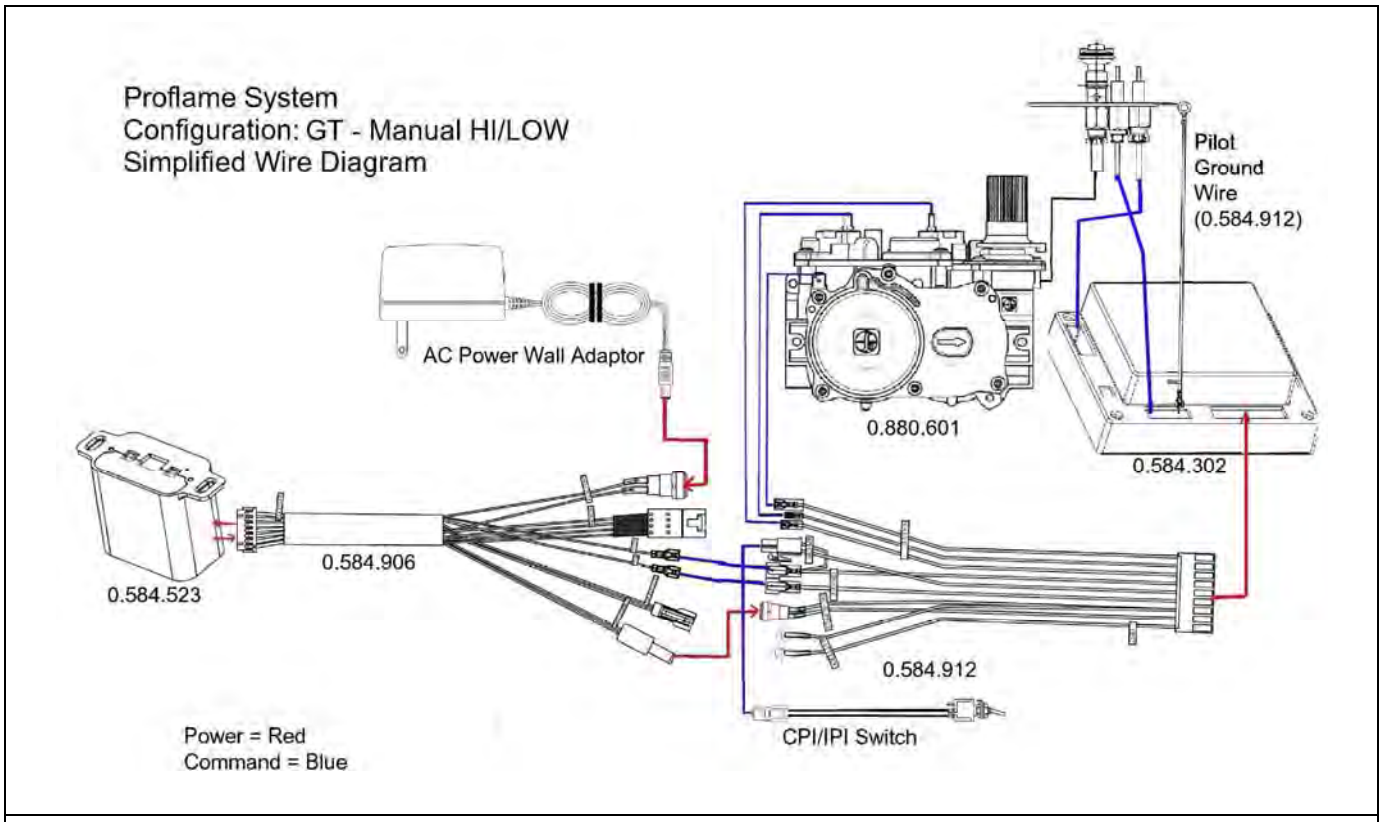
Item No.	Part No.	Description
1	1006-P002si	Valve IPI Hi/Lo NG
	1006-P003si	Valve IPI Hi/Lo LP
2	1002-P047si	Pilot Assembly-LP
	1002-P033si	Pilot Assembly-NG
3	1002-P017si	Spark Electrode (with wire)
4	1002-P903si	Electrode Flame Sensor
5	1002-P302si	IPI Ignition Board
6	1002-P850si	AC Wall Adapter
7	1002-P12BH	Battery Pack
8	1002-P912si	Wiring Harness
9	1001-P166si	Orifice Pilot -NG#62
	1001-P168si	Orifice Pilot -LP#35
10	1002-P013si	Stepper Motor -NG
	1002-P012si	Stepper Motor -LP
	1002-P016si	Hi/Lo Regulator -NG
	1002-P014si	Hi/Lo Regulator -LP

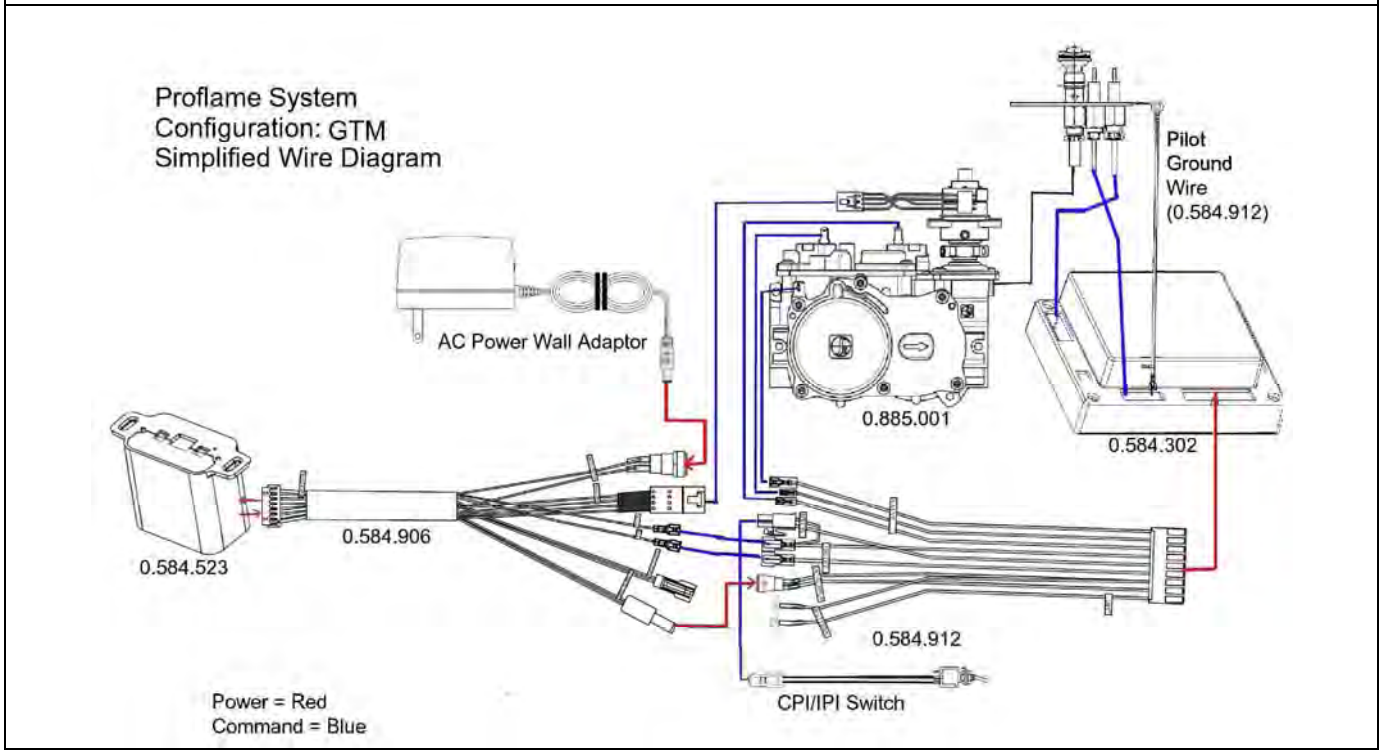
Proflame System

Configuration: Manual Hi/Low

Simplified Wire Diagram




Proflame System
Configuration: GT - Manual HI/LOW
Simplified Wire Diagram
Pilot
Ground
Wire
(0.584.912)
AC Power Wall Adaptor
0.880.601
0.584.302
0.584.906
0.584.523
0.584.912
CPI/IPI Switch
Power = Red
Command = Blue


Proflame System
Configuration: GTM
Simplified Wire Diagram
Pilot
Ground
Wire
(0.584.912)
AC Power Wall Adaptor
0.885.001
0.584.302
0.584.906
0.584.523
0.584.912
CPI/IPI Switch
Power = Red
Command = Blue

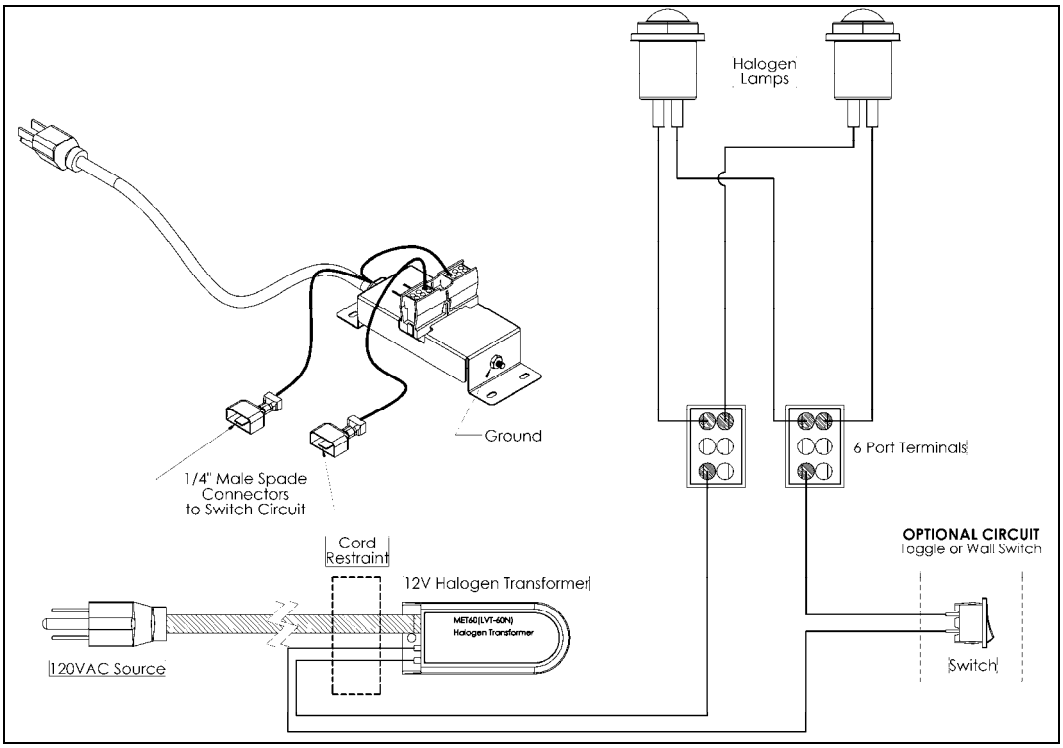
LK2 Halogen Lamp Kit

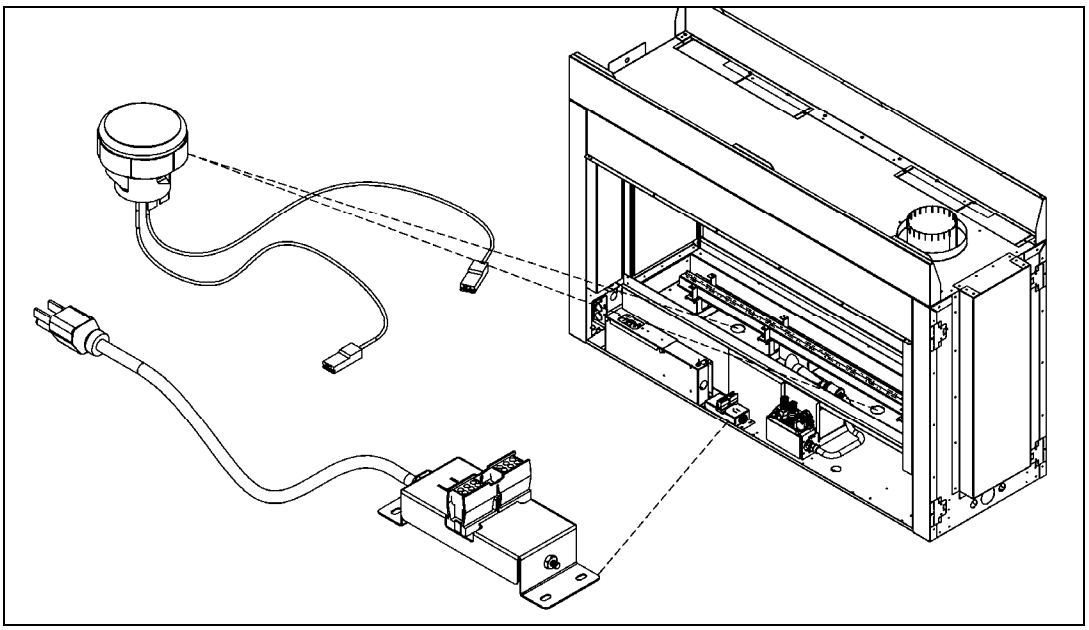
Please follow the current ANSI/NFPA 70 National Electrical Code in the USA and CAN/CSA C22.1 Canadian National Electrical Code in Canada.

SYSTEM NOTES

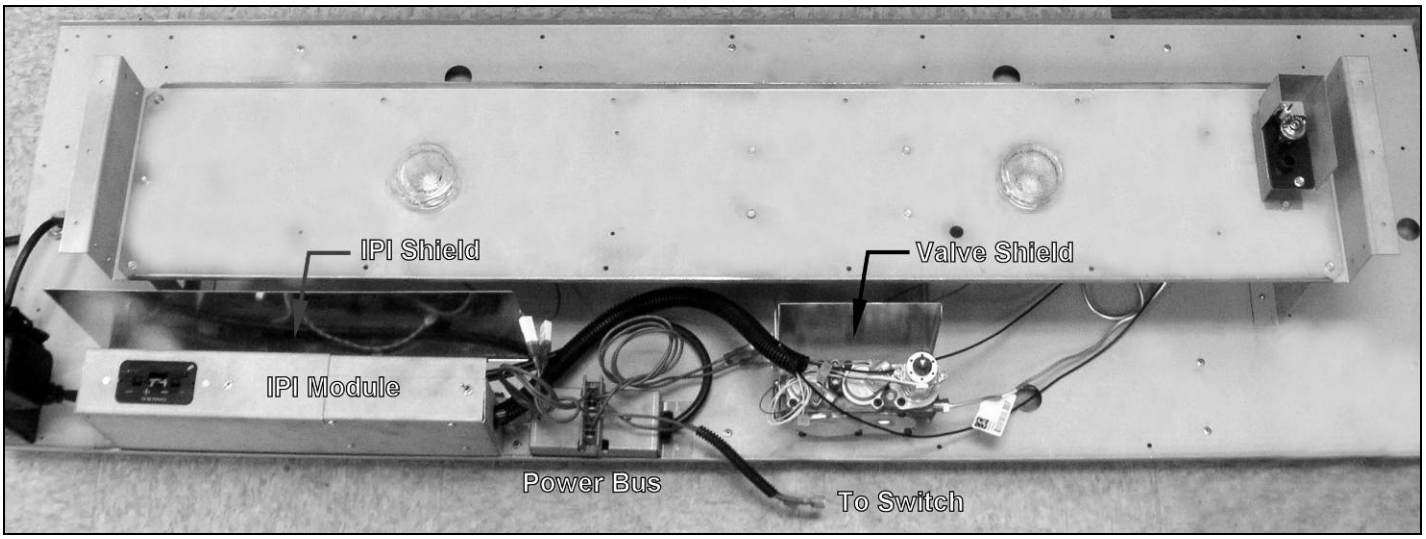
1. Each lamp is running on a dedicated circuit (Parallel circuit). This means that if one bulb fails the rest will remain operational.
2. Rocker switch is switching low voltage side.
3. Solid-state transformer is designed to run halogen lamps ONLY.
4. To remove leads from the 6 port terminal, simply insert a pin to release the grip on the wire.

Note: Lightbulbs NOT covered under Warranty.

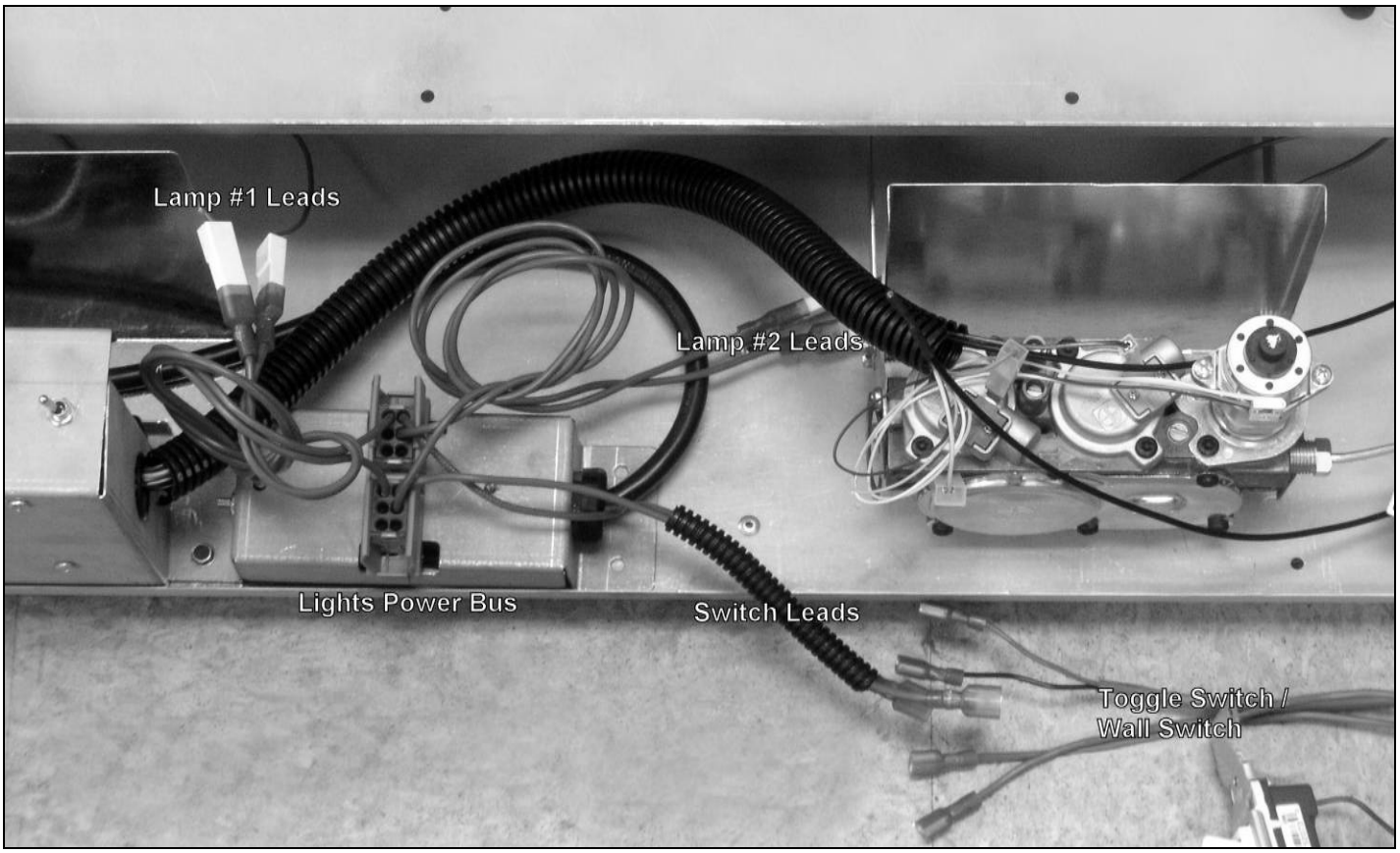




Photos

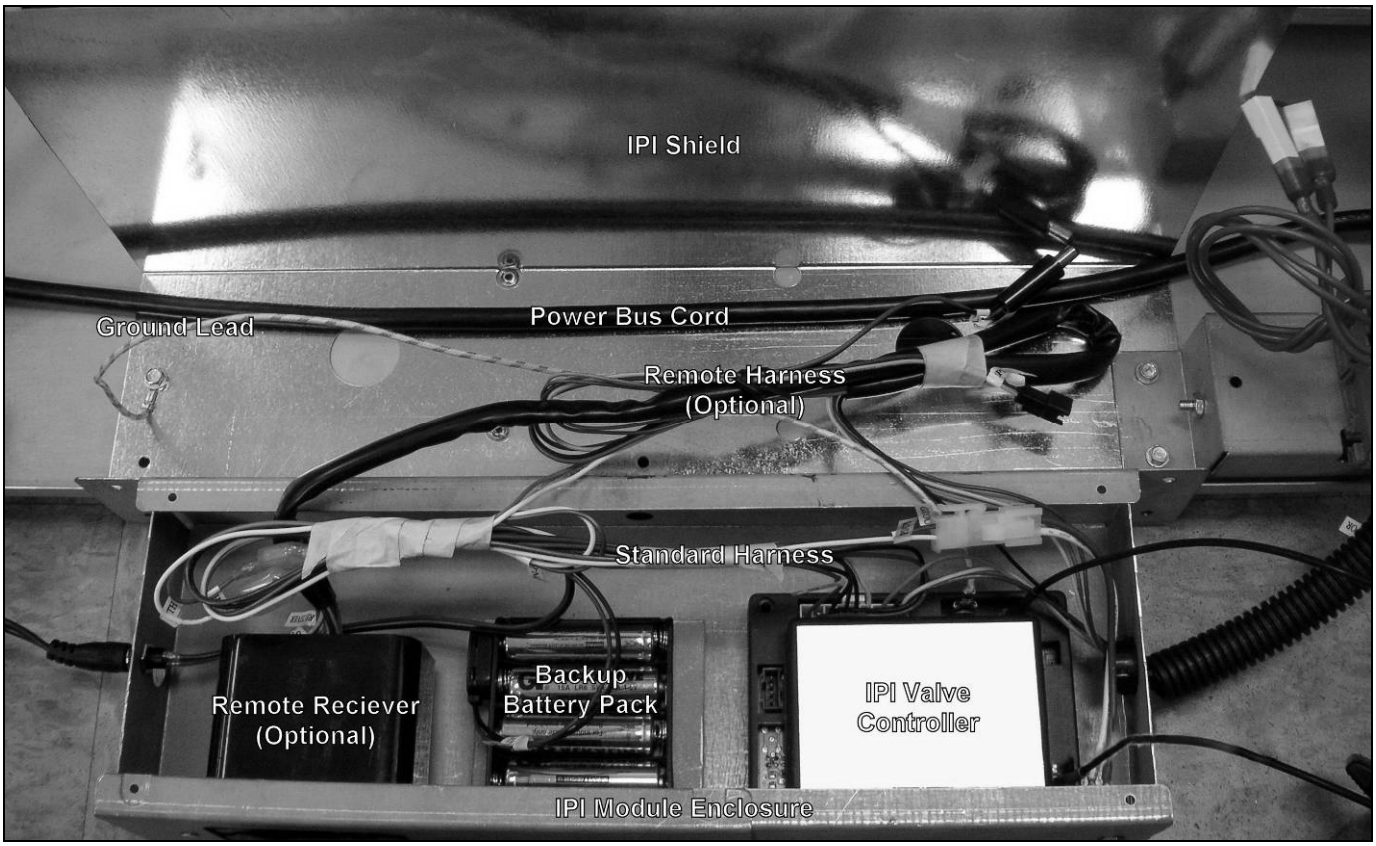


Bottom of Unit with IPI Module

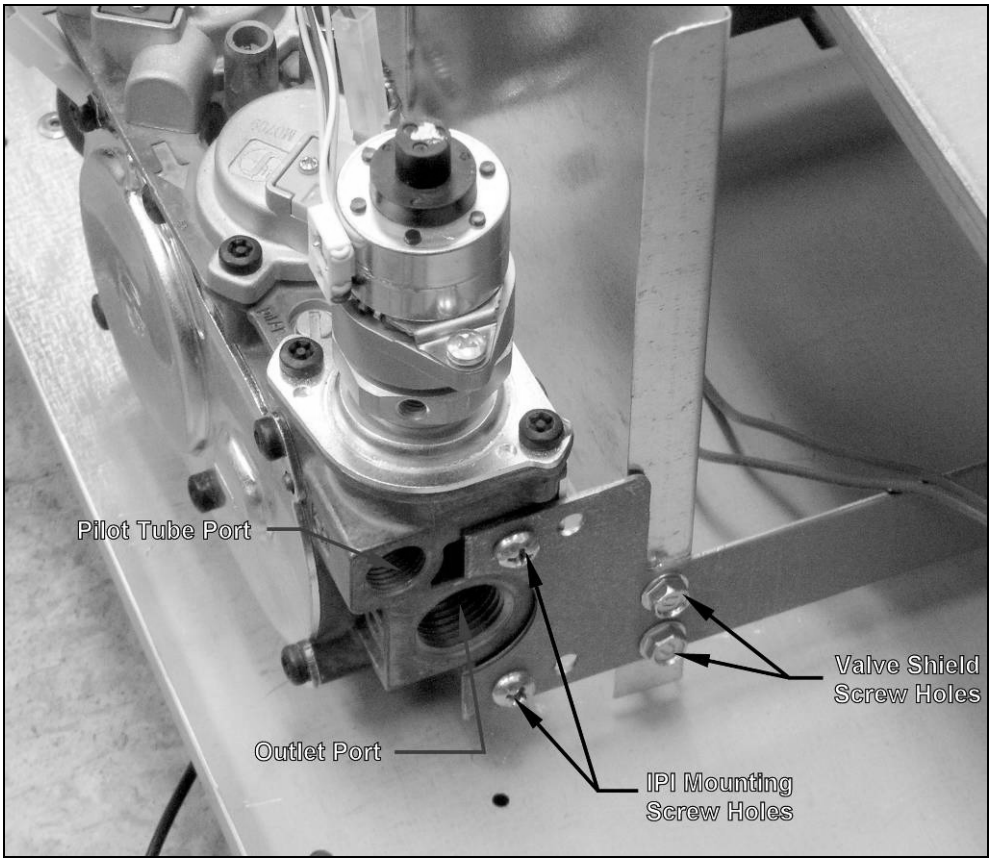


Light Module &IPI Valve

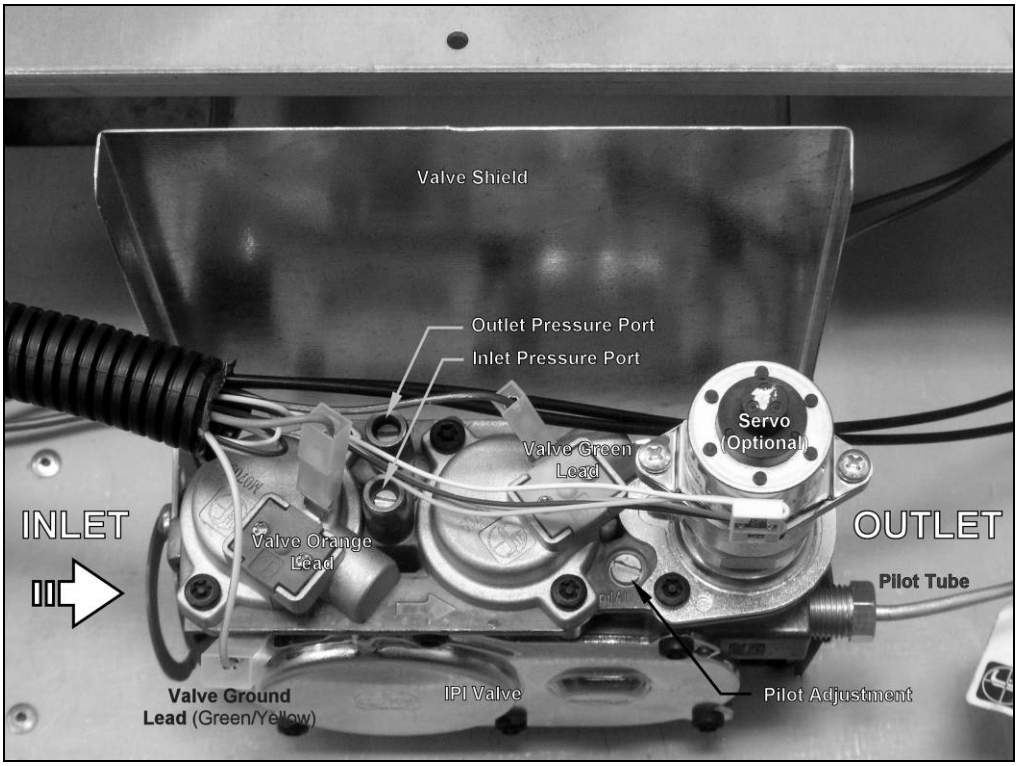
Close up View of IPI Module



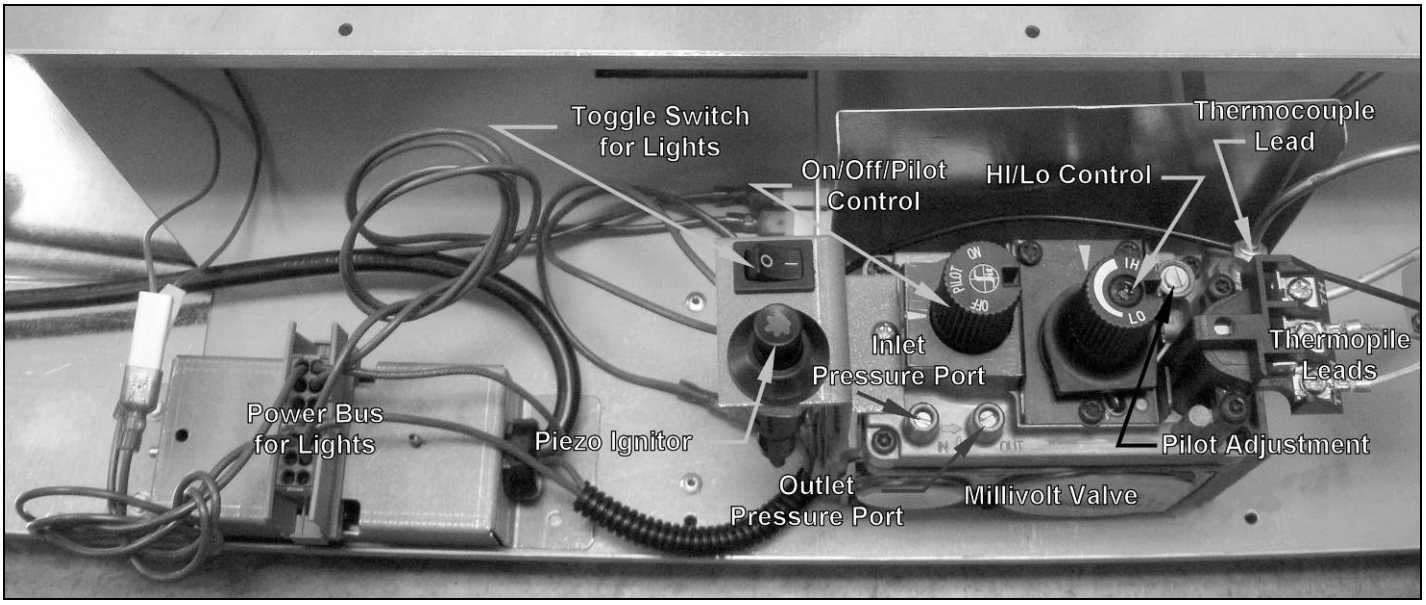
Inside of IPI Module



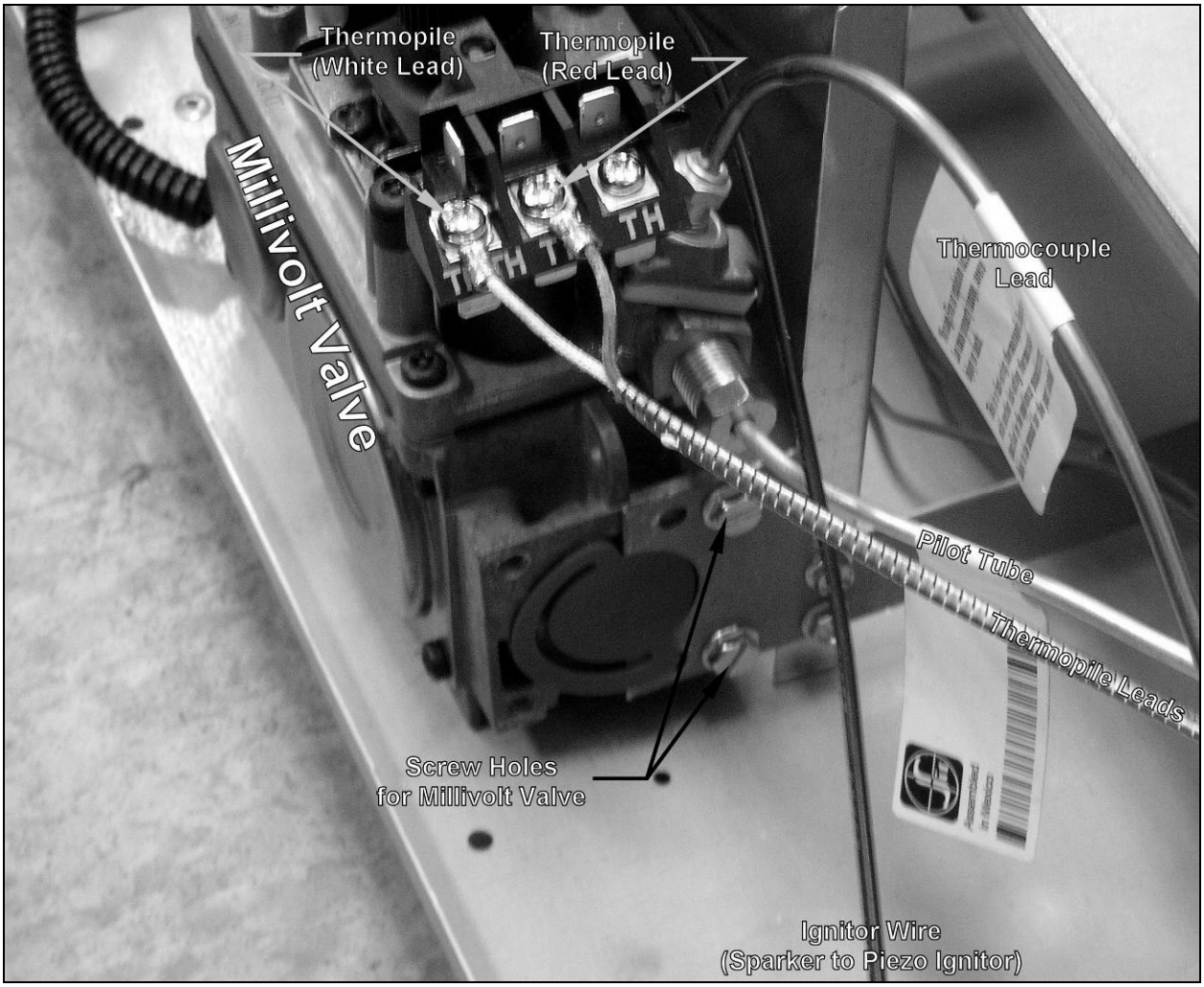
IPI Valve



IPI Valve

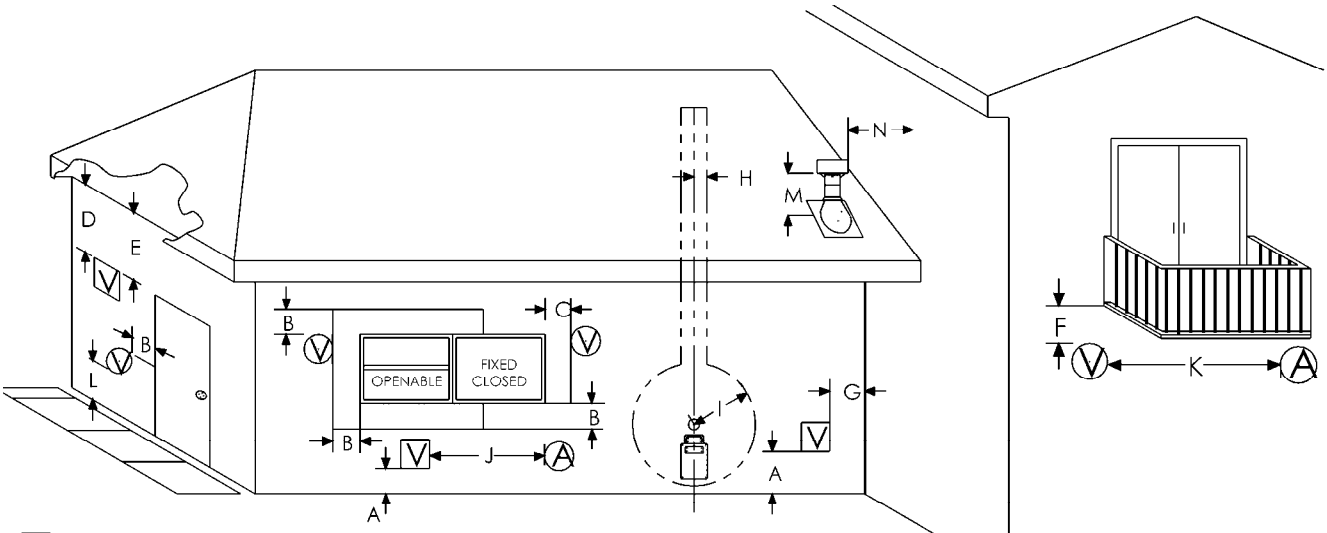


Millivolt Valve & Light Module



Millivolt Valve

Venting



Measure to the edge of the termination plate.
Measure to the edge of the round termination.
Vent Terminal
Air Supply
Area Where Terminal Not Permitted

NOTES:

1) Clearances are to the edge of terminal plate. Add 6-3/4" to clearances to arrive at centerline.

2) Local codes or regulations may require different clearances.

A. Clearance above grade, veranda, porch, deck, or balcony 12in [30cm] min.[1,2]

B. Clearance to window or door that may be opened. 12in [30cm] min. for appliances 100,000BTUh [30kW] and lower, in Canada. 9in[2] [23cm] for appliances 50,000 BTUh and lower, in USA.

C. Clearance to permanently closed window min. 12in [30cm] recommended to prevent condensation on window, in Canada. 9in[2] [23cm] for appliances 50,000 BTUh and lower, in USA.

D. Vertical clearance to ventilated soffit located above the termination within a horizontal distance of 2ft [60cm] from the center line of the termination. 18in [46cm] min.[4]

E. Clearance to unventilated soffit 12in [30cm] min.

F. Clearance under veranda, porch, deck or balcony 12in [30cm] min.[3] (US[4])

G. Clearance from a perpendicular inside wall or outer corner to the edge of the vent terminal plate is 3in [7.6cm] min.

H. Clearance to each side of center line extended above meter/regulator assembly 3ft [91cm] within a height 15ft [4.5m] above the meter/regulator assembly.

I. Clearance to service regulator vent outlet 3ft [91cm] min.[1] (US[4])

J. Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance: In Canada, 6in [15cm] for appliances ≤10,000 BTUh [3kW], 12in[1] [30cm] minimum for appliances >10,000 BTUh [3kW] and ≤100,000 BTUh [30kW], 36in [91cm] for appliances >100,000 BTUh [30kW]. In the USA, 6in[2] [15cm] for appliances ≤10,000 BTUh [3kW], 9in [23cm] for appliances >10,000 BTUh [3kW] and ≤50,000 BTUh [15kW], 12in [30cm] for appliances >50,000 BTUh [15kW].

K. Clearance to a mechanical air supply inlet 6ft [1.8m] min.[1] in Canada. In USA, 3ft [91cm] above if within 10ft[2] [3m] horizontally.

L. Clearance above paved sidewalk or a paved driveway located on public property 7ft [2.1m] min.[5]

M. Clearance above highest point of exit on roof 18in [45cm].

N. Clearance to perpendicular wall 24in [60cm]. (Recommended to prevent re-circulation of exhaust products. For additional requirements check local codes.)

[1] In accordance with the current CSA B149.1, Natural Gas and Propane Code.

[2] In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code.

[3] Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

[4] Clearance in accordance with local installation codes and the requirements of the gas supplier.

[5] A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

General Vent Installation Information

This gas appliance is approved to be vented either through the side wall or vertically through the roof. Only Kingsman Flex (Z-Flex) venting kits and components specifically approved and LABELED for this stove may be used. This appliance is also approved for use with Simpson Dura-vent Direct Vent system (Model DV-GS Series), and AmeriVent Direct Vent Pipe System, ICC Excel Direct, Metal Fab Sure-Seal DV and Selkirk Direct Temp.

Simpson Dura-vent, AmeriVent, and Selkirk Direct Temp

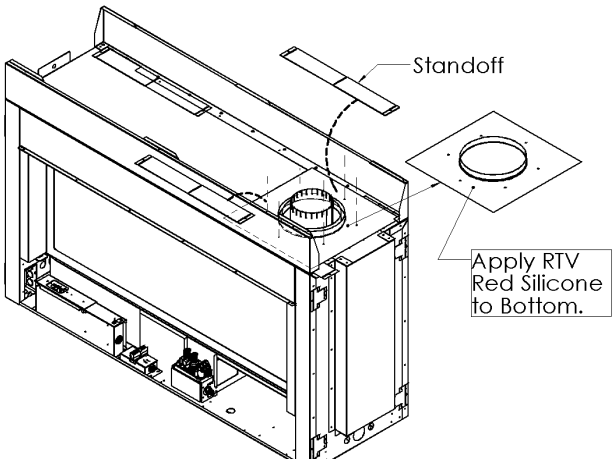
When using Simpson Duravent, AmeriVent pipe, ICC Excel Direct, Metal Fab Sure-Seal DV, or Selkirk Direct Temp a Dura-vent adapter must be used (part # Z57DFA). Follow installation instructions provided by the appropriate manufacturer for installation of pipe, and adhere to the clearance to combustibles provided in this manual. Apply a bead of Mill Pac high temp sealant to all joints of pipes, adapters and termination as recommended.

WARNING: DO NOT mix parts from different systems unless stated in the manual.

Eight Inch Hard Pipe Adapter for MQRB5143 Infinite Series (Z57DFA)

Contents: 1 ea. 8” Adapter Plate
6ea. DT Screws

1. Remove the two [2] Standoffs at the vented end of the Fireplace.
2. Apply RTV Red Silicone to the underside of the Adapter Plate around the perimeter of the screw holes.
3. Fasten Adapter Plate to the top of the unit using the supplied DT Screws.
4. Replace the Standoffs.



Flex Pipe Venting

Flex pipe is shipped in an unexpanded length. Therefore, when installing the pipe, expand it completely and then cut off the remaining length. A flex pipe can be expanded to twice their shipped length (e.g. 4ft. to 8ft).

Do not use more than 2 couplers to extend short pipes. Single sections are preferred in an installation attaching at the fireplace and termination.

Place the spring spaces provided approximately every two feet to stabilize 5" flex in the center of 7" flex. When forming bends place spring in bend or before and after (see Figure 2).

ONLY VENTING COMPONENTS SPECIFICALLY APPROVED AND LABELED FOR THIS FIREPLACE MAY BE USED.

Termination

It is imperative that the vent termination be located observing the minimum clearances as shown. There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front of the termination plate.

Do not locate termination where excessive snow or ice build-up may occur. Be sure to check vent termination area after snow falls and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area.

Venting terminal shall not be recessed into a wall or siding.

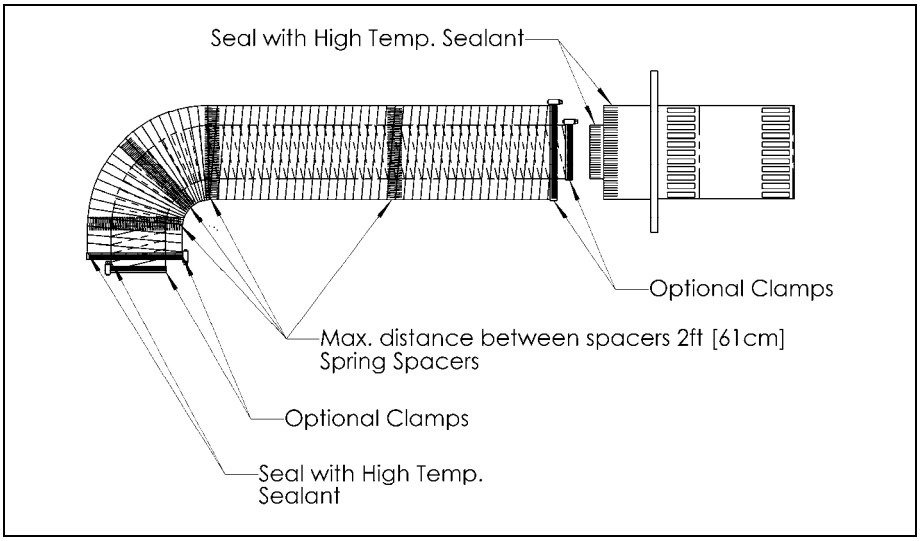


Figure 2 - Flex pipe spring spacing guide.

Horizontal runs require support metal straps every 2ft. In an offset installation support straps should be used to stabilize pipe.

Expand 5" and 7" flex pipe to the point that the 7" protrudes approximately 2 to 3 inches past outer wall and the 5" flex protrudes approximately 2 to 3 inches past the 7" flex. Attach the 5" pipe to the termination first and secure with sealant and [4] screws then attach the 7" flex to the termination with caulking and screws. Termination may then be moved back to the outer wall and attached to home screwing into the framing. Use silicone around the termination to provide waterproof seal. If siding shield is going to be used attach this using same attaching hole as the top of termination after termination has been caulked for waterproofing.

Use High Temperature Sealant

Apply a bead of Mill Pac high temp sealant to all joints and use four screws to secure each pipe at fireplace, termination and any joint if joining any sections of pipe.

NOTE: It is critical to the proper and safe operation of this fireplace that on all connections the inner liner and the outer casing are both caulked with liberal amounts of sealant. Do not use any kind of tape or silicone other than that recommended in this manual. **Mill Pac Sealant**

Venting Routes and Components

Since it is very important that the vent system maintain its balance between the combustion air intake and the flue gas exhaust, certain limitations as to vent configurations apply and must be strictly adhered to. The table on the following page showing the relationship between vertical and horizontal side wall venting will help to determine the various vent lengths.

The maximum horizontal run with the 90 degree bend at the fireplace flue outlet is 4’ (see 5). The maximum horizontal run is 20ft when the vertical run is 7ft (see Figure 3). Note: 1/4" vertical rise is required for every 12" of horizontal run.

The maximum number of 45 degree bends per side wall installation is two [2] in the horizontal run and then you must reduce the length of the horizontal by 18" for each 45 degree bend.

The maximum vertical run is 43ft [13.1m].

Special Note: For each 45 degree bend installed in the horizontal run, the length of the horizontal run must be reduced by 18" [46cm]. This does not apply if the 45 degree bends are installed on the vertical part of the vent system.

Example
If the length of the horizontal run is 10ft [3m], and two 45 degree bends are required, then the horizontal run length must be reduced to 7ft to achieve proper venting. If 10ft of horizontal run is required in conjunction with the two 45 degree bends, then the vertical run must be reduced appropriately. Please refer to Table 1 on page 48 for the relationship between horizontal and vertical runs.

Note that two additional 90 degree bends, or equivalent, are allowed. However, to do so the horizontal run must be reduced by 36" [91cm] for each 90 degree bend.

IMPORTANT: Always locate the fireplace in such a way that a minimum of offsets and/or horizontal runs are required. 1/4” vertical rise is required for every 12” horizontal run.

Minimum clearance to combustibles on venting is 1" with the following exceptions:

-Top of horizontal is 2".
-Top of 90 degree elbow in an enclosure under 72" is 5" with Wall Thimble Shield [Z57WTS].
-Top of 90 degree elbow in an enclosure over 72" is 4".
-Minimum Enclosure Height is 60" (See "**Enclosure Heights" page** in this Manual).
-Minimum Termination Height from bottom of Unit is 51-1/2" plus ¼" rise per foot.

Horizontal Vent Table

To use the Horizontal Vent Table (see Table 1), determine the total vertical height of the system and the number of bends required. Locate the value on the first column and then move across to see the corresponding maximum allowable horizontal run. **All Measurements are from the bottom of the appliance.**

The Horizontal Vent Table has been established for 90˚ horizontal/vertical runs. Therefore, flex pipes that do not have 90˚ bends will not fall into this vent table relationship.

Total Vertical		**Max. Horizontal**			**Total Vertical**		**Max. Horizontal**	
Feet	Meters	Feet	Meters		Feet	Meters	Feet	Meters
4	1.2	4	1.5		14	4.3	20	6.1
5	1.5	8	2.4		15	4.6	20	6.1
6	1.8	15	3.7		16	4.9	20	6.1
7	2.1	20	6.1		17	5.2	20	6.1
8	2.4	20	6.1		18	5.5	20	6.1
9	2.7	20	6.1		19	5.8	20	6.1
10	3.0	20	6.1		20	6.1	20	6.1
11	3.4	20	6.1		25	7.5	15	4.6
12	3.7	20	6.1		30	9.0	10	3.0
13	4.0	20	6.1		43	12.2	0	0

Table 1 - Horizontal Vent Table

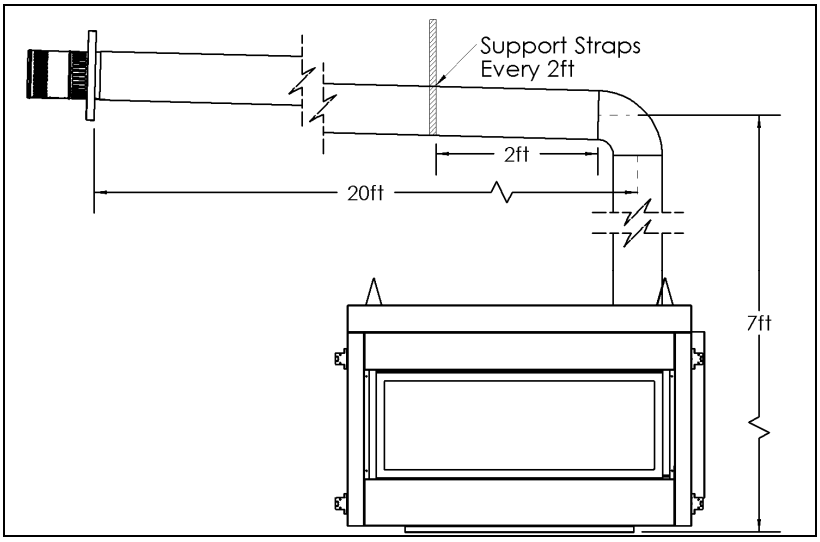


Figure 3

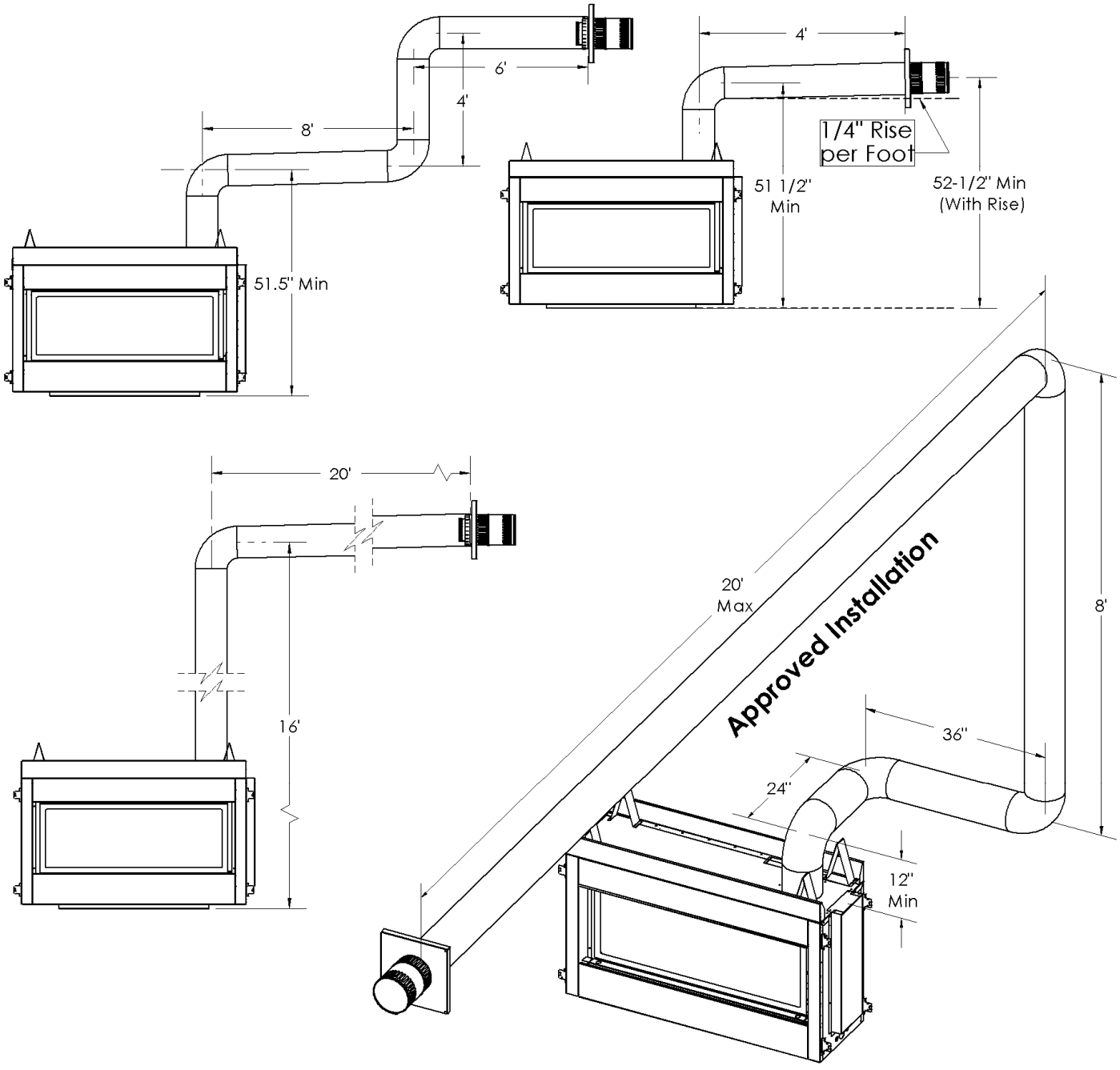
NOTE: The final location of the fireplace must be such that the horizontal vent dimensions fall within those stated on the graph. The Maximum Vertical vent run is 43ft. Please refer to **Clearance to Combustibles** information in this manual.

A Safety Cage (FDVHSCU) is required if the Termination is accessible.

See **Flue Restrictor Adjustment** Page for vertically vented Installations.

Venting Examples

All horizontal runs have a minimum ¼” rise per foot.



Installation of Side Wall Venting

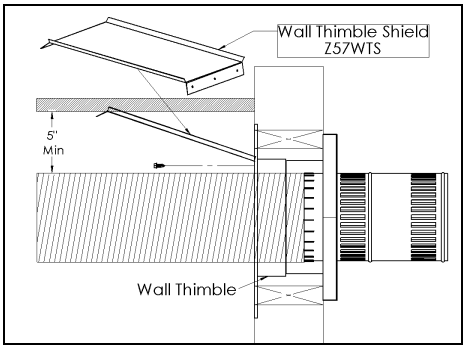
The minimum distance from the bottom of fireplace to centre of vent is 51-1/2". For combustible walls: Cut a hole through the wall allowing for an 11" x 11" (inside dimension) wall thimble. For a non-combustible wall: Cut an 8" diameter hole (see Figure 4).

Note that the clearance to combustibles is stated the **Clearance to Combustibles** section of this Manual.

Select the approximate vent length, precise measurements are not needed as your flex pipe can be expanded to twice its shipped length for ease of installation.

To install wall thimble centre over 11" x 11" framing from both sides of wall and secure. Route flex vent pipe through wall thimble.

Note: Wall Thimble Shield [Z57WTS] must be used in Enclosures under 72".



Before joining pipes, apply a bead of high temperature sealant (Mill Pac) to end of pipe. First attach the 5" flue pipe to the vent termination with sealant, and secure with the four screws provided. At this time make sure the spacer springs are attached to the 5" flex pipe as required. Then attach the 7" pipe by the same method.

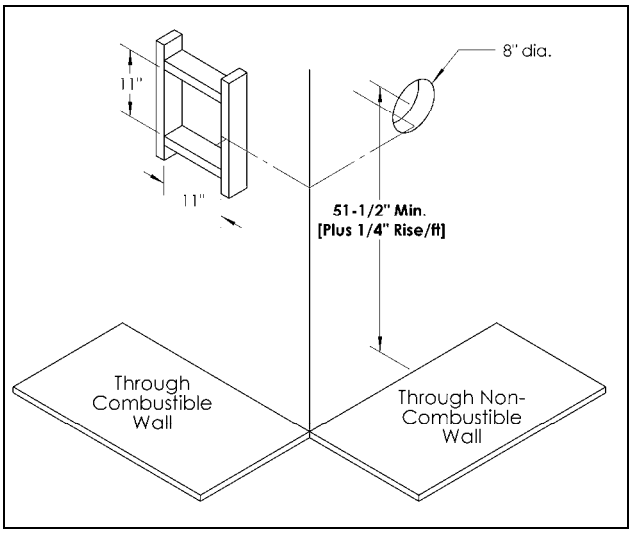


Figure 4 - Side wall hole dimensions for **flush wall installations**. For other installations where the unit is far away from the wall, ensure that the vertical rise is 1/4" for every 12" of horizontal run.

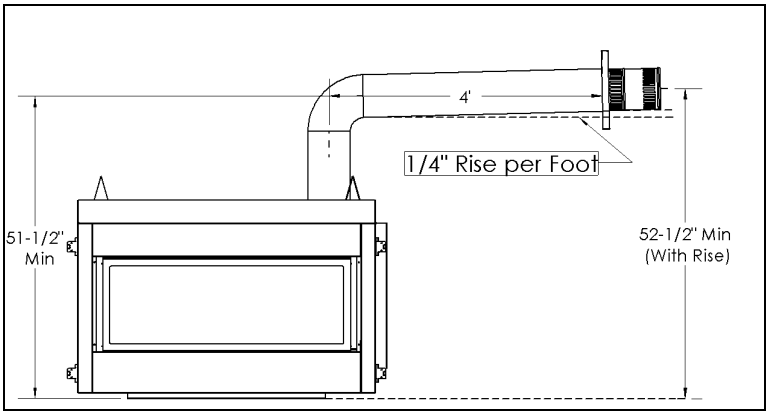


Figure 5 - Venting configuration illustrating vertical rise over 4ft horizontal run.

Mount vent termination and seal to wall using caulking around the wall thimble to weather proof. After installing the vent termination, double check to make sure the pipe extends properly through wall thimble and into vent termination.

Before joining pipes to fireplace flue, apply a bead of high temperature sealant (Mill Pac) to end of pipe. First attach the 5" flue pipe to fireplace with sealant, and secure with the four screws provided. At this time verify that the spacer springs are attached properly to the 5" flex pipe as required. Then attach the 7" pipe by the same method.

Support horizontal pipes every 2ft [61cm] with metal strap bands. Recheck fireplace to make sure it is leveled and properly positioned and secured. Support vertical pipes to maintain a minimum of 1" or greater clearance to combustibles with metal strapping bands.

Note: Vent Termination must not be recessed into wall or siding.

Venting Straight Up Through Roof

An Attic Insulation Shield must be installed where the vent passes from a lower living space into an attic space where the chimney is not enclosed. It is designed to keep insulation materials away from the chimney (see Figure 7a).

When installing the Attic Insulation Shield where the chimney passes from a living space to an attic space, install the shield from below and nail in place using 1" spiral nails.

A fire stop must be installed on the bottom side of the joists when passing through a ceiling or floor. If an attic insulation shield is to be used, a fire stop is not required.

Using Flex Bends

Avoid cutting joists by offsetting the flex pipe (see Figure 7b).

When using 45° bends a bend support is required directly above the highest bend.

When installing a bend in a joist area a minimum of 4" clearance to combustible to the top of bend must be maintained, sides and bottom of pipe, a 1" clearance to combustibles must be maintained. If running horizontal through an area a 2" minimum clearance to the top of the horizontal pipe must be maintained.

Maximum vertical height of system should not exceed 43 feet.

Use roof support and 7" rigid pipe at roof level. Flex not permitted within roof support.

When penetrating the roof a rigid 7" galvanized pipe must be used. Attach the 7" flex to the 7" rigid with high temperature sealant, secure with four screws assuring the flex and rigid pipe are secured. 5" flex pipe must be secured the same way with 4 screws but must penetrate the 5" flex and 5" section of termination. Attach 7" rigid pipe to 7" termination with sealant and screw with 4 sheet metal screws (see Figure 7c).

Vertical termination clearance is 18" [45.7cm] above the roof, measured from highest point of exit on the roof line.

Support vertical pipes to maintain minimum of one inch or greater clearances to combustibles.

Roof Flashing

Ensure that you have the proper roof flashing by checking your roof pitch using a level and two rulers, or by using a roof pitch card (see Figure 7a).

Slide a Roof Flashing suitable to your roof slope over the vent. Place the edge of the flashing plate that will be on the higher part of the roof slope under the shingles. Both the sides and the lower edge lay on top of the shingles.

NOTE: At the top edge of the flashing plate, lift the shingles and nail the plate to the roof deck, then cement the shingles to the plate with a suitable waterproof mastic.

Ensure that the chimney is plumb. Square up the flashing plate and nail in place to the roof deck. Use 12 nails with neoprene washers or cover the heads with a suitable waterproof mastic. Wrap the storm collar around the vent above the flashing. Secure the ends together loosely with nut and bolt supplied. Slide the collar down the vent until it comes in contact with the flashing. Tighten the bolt and seal the Storm Collar to the vent with a suitable waterproof non-combustible mastic.

The flashing and storm collar should be painted to match the roof shingles. This will extend its life and improve the appearance. Clean, prime and paint with suitable painting products.

Flue Restrictor Adjustment

MQRB5143 –All Models

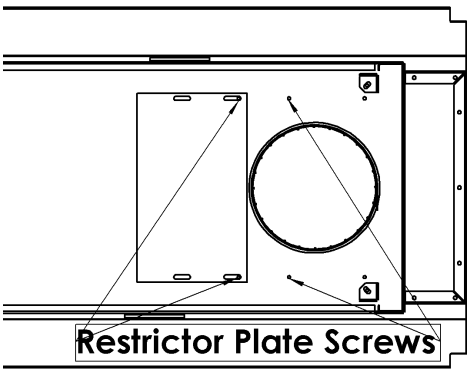


Fig.1

The **Flue Restrictor** is located in the top of the Firebox in front of the Flue Opening.

For vertically vented installations it is necessary to use the Flue Restrictor. Restrictor is set fully open from factory for short horizontal and vertical runs.

To adjust the Flue Restrictor:

1. Remove the [2] DT screws in the Flue Restrictor. Also remove the [2] screws at the front of the Flue (**Fig.1**).

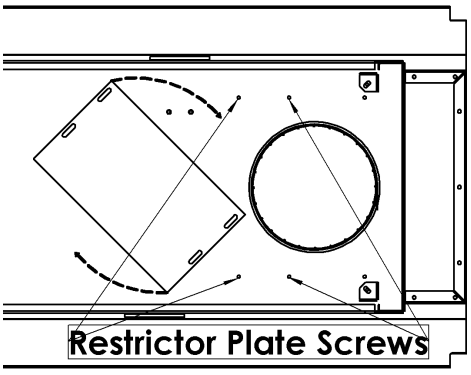


Fig.2

2. Rotate the Flue Restrictor 180°. (**Fig.2**). Place the Flue Restrictor over the Flue & start the [4] DT screws in the screw holes.

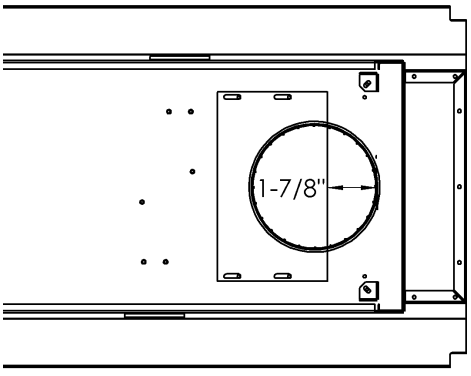


Fig.3

3. For Vertical Venting 20-30 feet in height, the Flue Restrictor should be open 1-7/8” from the back of the Flue (**Fig. 3**).

4. Between 30/40 feet: Set Restrictor in conjunction with the number of 90° elbows.

- 1 to 2 elbows 1-3/8”
- 2 to 3 elbows with offsets 1-7/8”

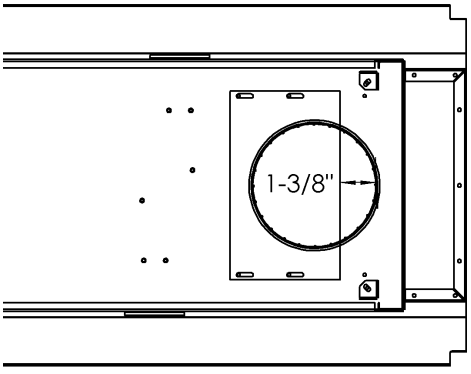


Fig.4

5. For Vertical Venting 40 feet or above in height, the Flue Restrictor should be open 1-3/8” from the back of the Flue (**Fig. 4**).

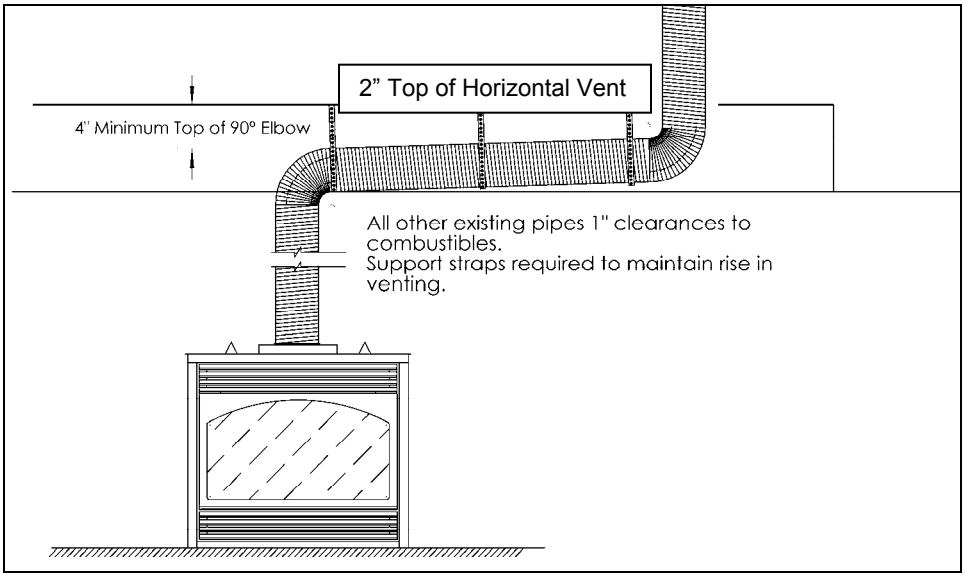

2" Top of Horizontal Vent
4" Minimum Top of 90° Elbow
All other existing pipes 1" clearances to combustibles.
Support straps required to maintain rise in venting.

Figure 6 - Clearances in horizontal venting.

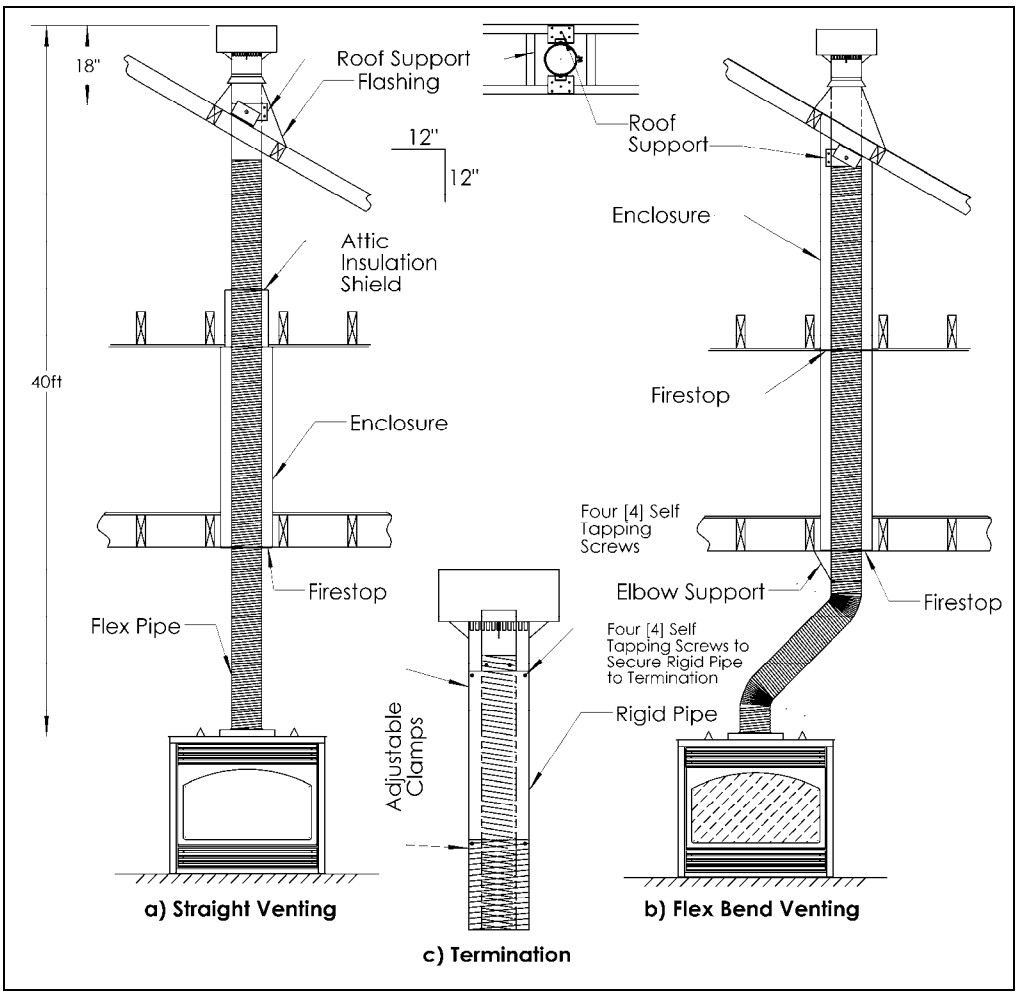


Figure 7 - a) Straight-through roof support configuration; b) Flex bend configuration; c) Termination mounting.

MQRB5143 -Parts List

Marquis Infinite Zero Clearance Direct Vent Gas Fireplace -51" Wide

Listed for USA/Canada as a Decorative Appliance: Linear LH Burner, Two Sides Open, SIT Valve with Hi/Lo Flame and BTU Adjustment, Ceramic Glass, 5/7" Flue, Wall Switches, Junction Box, Accent Lighting with Decorative Ember Glass, 40,000 BTU

MQRB5143N	Linear Multi-Sided Fireplace, Milli Volt Valve (as above) Natural Gas
MQRB5143LP	Linear Multi-Sided Fireplace, Milli Volt Valve (as above) Liquid Propane
MQRB5143NE	Linear Multi-Sided Fireplace, IPI Valve (as above) Natural Gas
MQRB5143LPE	Linear Multi-Sided Fireplace, IPI Valve (as above) Liquid Propane

Choose Your View Kit: (Required for each unit)

MQRB5143BK	Back Shield Kit - (Single View) Shield and Cover, False Bottom, Back Liner
MQRB5143SK	See-Through Kit - Ceramic Glass, False Bottom, Access Panel, Filler Posts

Infinite Wall Surround-(Covers 50-1/4"W X 19")

MQRB5019SBL	Surround Trim Kit (50-1/4" x 19") - Black
MQRB5019SPW	Surround Trim Kit (50-1/4" x 19") - Pewter
MQRB5019SSS	Surround Trim Kit (50-1/4" x 19") - Stainless Steel

Infinite Wall Surround-(Covers 55-3/4"W X 24")

MQRB5624SBL	Surround Trim Kit (55-3/4" x 24") - Black
MQRB5624SPW	Surround Trim Kit (55-3/4" x 24") - Pewter
MQRB5624SSS	Surround Trim Kit (55-3/4" x 24") - Stainless Steel

Infinite Porcelain Liners

MQRB5143PB1	Porcelain Bottom - Single Side
MQRB5143PB2	Porcelain Bottom - See Through
MQRB5143PLB	Porcelain Liner - Back - Single Side
MQRB5143PLE	Porcelain Liner - Ends - See Through & Single Side

Accessories

Z1MT	Thermostat Millivolt Wall Mount
3927ZDV-P779-1	Bulb 10W 12V 64418 or [Sylvania 58691] (Lightbulbs NOT covered under Warranty.)
5143-P77912	Lamp Assembly 58mm (Lightbulbs NOT covered under Warranty.)
1001-P1636C	6 Conductor
1001-P1630	Fixing Carrier

Rocks & Logs

MQRBD1	Drift Wood (x4) and Rocks (x4)
MQROCK2	Rock Set - Contemporary Collection - Natural
MQROCK3	Rock Set - Contemporary Collection - Multi-Colored

MQG5W	Decorative Ember Glass - White - 5 lbs
MQG5B	Decorative Ember Glass - Black - 5 lbs
MQG5T	Decorative Ember Glass - Turquoise - 5 lbs
MQG5C	Decorative Ember Glass - Copper - 5 lbs

Electronic Ignition

GFRC	Remote Control Millivolt/IPI - On/Off
GTRC	Remote Control Millivolt - Thermostat
GTMRCN	Remote Control Millivolt - Thermostat/Modulating - NG
GTMRCP	Remote Control Millivolt - Thermostat/Modulating - LP
EGTRC	Remote Control IPI - Thermostat
EGTMRCN	Remote Control IPI - Thermostat/Modulating - NG
1001-P904SI	Remote Receiver Extension Harness (GT Series Remotes Only)
EGTMRCP	Remote Control IPI - Thermostat/Modulating - LP

Valve System Parts

1000-P136WR	Thermopile GOAI-524
1001-P069SI	Electrode Sparker
1001-P216SI	Thermocouple 290.216TC SIT
1001-P165SI	Orifice Pilot NG977.165TC SIT
1001-P167SI	Orifice Pilot LP977.167TC SIT
1001-P633SI	Valve Nova LP Hi/Lo 0820651
1001-P634SI	Valve Nova NG Hi/Lo 0820652
1001-P713SI	Pilot Burner LP 199.713TC SIT
1001-P714SI	Pilot Burner NG 199.714TC SIT

Replacement Burner Assembly

5143MQ-BLPSI	Burner Assembly- Liquid Propane c/w Valve System (MQRB5143LP)
5143MQ-BNGSI	Burner Assembly-Natural Gas c/w Valve System (MQRB5143N)
5143MQ-BLPSIE	Burner Assembly- Liquid Propane c/w Valve System (MQRB5143LPE)
5143MQ-BNGSIE	Burner Assembly-Natural Gas c/w Valve System (MQRB5143NE)

Conversion Kit

5143MQ-CKLP	LP Conversion Kit for MQRB5143
5143MQ-CKNG	NG Conversion Kit for MQRB5143
5143MQ-CKLPI	LP Conversion Kit for IPI MQRB5143LPE
5143MQ-CKNGI	NG Conversion Kit for IPI MQRB5143NE

Miscellaneous Parts

1000-150GE	Silicone GE Red IS806 #736
1000-150MP	Hi Temp Millpac Sealant 840099
1000-214	Piezo Igniter 1244-17 MARK 21

1000-215	Pal Nut (18MMXI.5MM) BLK (1364.03)
1000-218	Switch Ivory (1451/001)
1000-227	Cover Ivory (86001/001)
1000-255	Orifice Brass -(State Size)
1000-306	Thermalcord -Adhesive Back for Door Frame
5143ZDV-311	Ceramic Glass –For All MQRB5143
36HB-123	Upper Door Spring

Venting Accessories

Z57HSK5	Horizontal Round Termination Vent Starter Kit - 5/7" X 5 FT Length, Wall Thimble Shield, Horizontal Vent Termination, Wall Thimble, 60" Flex Pipe, Screws, Mill Pac.
Z57VT	Horizontal Vent Termination
FDVHSS	Horizontal Stucco Shield
FDVHSCU	Safety Cage Universal for Horizontal Termination
ZDVAIS	Attic Insulation Shield
ZDVVOS	Offset Support
ZDVFS	Firestop Spacer
ZDVRS	Roof Support
ZDVWT	Wall Thimble (Horizontal Venting)
ZDVSS	Siding Shield - Heat Deflector for FDVHT Round Termination
ZDVSSLR	Siding Shield - Large Return - for FDVHSQ or FDVHT
ZDV48GP	Galvanized Pipe 7" Dia. x 48" (Vertical Installations)
ZDVAAF	Flashing 7" c/w Storm Collar (1/12 to7/12)
ZDVAF2	Flashing 7" c/w Storm Collar (8/12 to 12/12)
ZDVAF3	Flashing 7" c/w Storm Collar Flat
ZDV7SC	Storm Collar 7 "
Z57FK5	Flex Kit (5" & 7" Dia.) x 5' Expanded (c/w Springs, Screws, Mill Pac)
Z57FK8	Flex Kit (5" & 7" Dia.) x 8' Expanded (c/w Springs, Screws, Mill Pac)
Z57FK20	Flex Kit (5" & 7" Dia.) x 20' Expanded (c/w Springs, Screws, Mill Pac)
ZDV5FC	Flex Connector 5" Diameter
ZDV7FC	Flex Connector 7" Diameter
ZDV5FCL	Flex Clamp 5"
ZDV7FCL	Flex Clamp 7"
ZDV4SS	Spring - Standoff Spacer for Inner Pipe
Z57DFA	Hard Pipe Adapter – 5”x 8"
Z57WTS	Wall Thimble Shield

KINGSMAN FIREPLACES

LIMITED LIFETIME WARRANTY

This Limited Lifetime Warranty applies only while the unit remains at the site of the original installation and only if the unit is installed inside the continental United States, Alaska, Hawaii, and Canada. The warranty applies only if the unit is installed and operated in accordance with the printed instructions and in compliance with applicable installation and building codes and good trade practices.

BASIC ONE YEAR WARRANTY

During the first year after installation, we will provide a replacement for any component part of your unit found to be defective in materials or workmanship, including labour costs. Repair work requires prior approval by Kingsman, labour costs are based on a predetermined rate schedule and any repair work must be done through an authorized Kingsman dealer.

LIMITED LIFETIME WARRANTY

The heat exchanger, combustion chamber and burner of every Kingsman product excluding the Outdoor Firepit are warranted against materials or workmanship during the period the product is owned by the original owner. The part to be replaced must be returned to our distributor in exchange for the replacement part. Any labor, material, freight and/or handling charges associated with any repair or replacement pursuant to this Limited Lifetime Warranty will not be covered by this warranty.

GENERAL TERMS

In lieu of providing a replacement part, we may, at our option, provide the distributor's component purchase price from us or a credit equal to the distributors component purchase price from us toward the purchase of any new unit which we distribute. If a credit is given in lieu of a replacement part, the rating plate from the unit being replaced must be submitted on a warranty claim, and the unit being replaced must be made available to our distributor for disposition.

In establishing the date of installation for any purpose, including determination of the starting date for the term of this Limited Lifetime Warranty, reasonable proof of the original installation date must be presented*, otherwise the effective date will be based upon the date of manufacture plus thirty (30) days.

We will not be responsible for and you, the user, will pay for: (a) damages caused by accident, abuse, negligence, misuse, riot, fire, flood, or Acts of God (b) damages caused by operating the unit where there is a corrosive atmosphere containing chlorine, fluorine, or any other damaging chemicals (other than in a normal residential environment) (c) damages caused by any unauthorized alteration or repair of the unit affecting its stability or performance (d) damages caused by improper matching or application of the unit or the unit's components (e) damages caused by failing to provide proper maintenance and service to the unit (f) any expenses incurred for erecting, disconnecting or dismantling the unit (g) parts or supplies used in connection with service or maintenance (h) damage repairs, inoperation or inefficiency resulting from faulty installation or application (i) electricity or fuel costs or any increase in electricity or fuel cost whatsoever including additional or unusual use of supplemental electric heat.

We shall not be liable for any incidental, consequential, or special damages or expenses in connection with any use or failure of this unit. We have not made and do not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular use or purpose. We make no express warranties except as stated in this Limited Lifetime Warranty. No one is authorized to change this Limited Lifetime Warranty or to create for us any other obligation or liability in connections with this unit. Any implied warranties shall last for one year after the original installation. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty or condition lasts, so the above limitations or exclusions may not apply to you. The provisions of this limited warranty are in additions to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

Save this certificate. It gives you specific legal rights, and you may also have other rights which may vary from state to state and province to province.

In the event your unit needs servicing, contact your dealer or contractor who installed or serviced your unit. When requesting service, please have the model and serial number from each unit readily available. If your dealer needs assistance, the distributor is available for support and we, in turn support the distributor's efforts.

Fill in the installation date and model and serial numbers of the unit in the space provided below and retain this limited warranty for your files.

Model No. _____ **Serial No.** _____ **Date installed** _____

Dealer or Contractor Name: _____

*To receive advantage of your warranty, you must retain the original records that can establish the installation date of your unit.

The Ultimate in Design, Engineering & Quality